

Set	Items	Description
S1	54178	EIMERIA
S2	10159	S1 AND OOCYSTS
S3	10159	S1 AND S2
S4	2966	S3 AND SPORULATED
S5	541902	S4 AND PRECOCIOUS OR ATTENUATED
S6	206	S5 AND S4
S7	160	RD (unique items)
S8	129	S7 NOT PY>2002
S9	669822	S8 AND VACCIN? OR IMMUNIZ?
S10	123	S9 AND S8
S11	123	RD (unique items)
S12	77	S11 AND ACERVULINA AND MAXIMA AND MITIS AND TENELLA
S13	77	RD (unique items)

? t s13/3,ab/1-45

>>>No matching display code(s) found in file(s): 65, 124, 129, 158, 180, 342, 345, 390, 398, 452, 624

13/3,AB/1 (Item 1 from file: 50)
 DIALOG(R)File 50:CAB Abstracts
 (c) 2004 CAB International. All rts. reserv.

02934555 CAB Accession Number: 940807340
 The development, efficacy and epidemiological aspects of Paracox, a new coccidiosis %vaccine% for chickens.
 Williams, R. B.
 Coccidiosis Section, Pitman-Moore Europe, Breakspear Road South, Harefield, Uxbridge UB9 6LS, UK.
 16 pp.
 Publication Year: 1992
 Publisher: Pitman-Moore Europe -- Harefield, UK
 Language: English
 Document Type: Miscellaneous

The coccidiosis %vaccine%, Paracox, is described. It is a live, %attenuated% %vaccine% comprising a stabilized suspension of %sporulated% %oocysts% of the 7 species of %Eimeria% (E. %acervulina%, E. brunetti, E. %maxima% (2 lines), E. %mitis%, E. necatrix, E. praecox and E. %tenella%) that parasitize the domestic fowl. It can be administered to meat birds, and floor-reared layers or broiler breeders as a single dose in the drinking water when they are 5 to 9 days old. No anticoccidial agent should be included in the feed. Attenuation of the constituent coccidia was achieved by the development of %precocious% lines. The rationale behind the design of the %vaccine% is outlined and the characteristics of %precocious% lines are given. The efficacy and safety of the %vaccine% are discussed, including floor pen and field trials in Italy, The Netherlands, Germany and the UK, together with sterility of the product, the stability of attenuation, the ubiquity of coccidial species, impact on epidemiology, and repeated use of the %vaccine% in a poultry house. A detailed description is given of the relative benefits of Paracox %vaccine% compared with the ideal requirements (and the difficulties of achieving them) of a modern chemical anticoccidial agent. 3pp. of ref.

Not the same strains

13/3,AB/2 (Item 2 from file: 50)
 DIALOG(R)File 50:CAB Abstracts
 (c) 2004 CAB International. All rts. reserv.

02736832 CAB Accession Number: 932286908
 Development and efficacy of Paracox, a new coccidiosis %vaccine% for chickens.
 Original Title: Note sulla messa a punto e sulla efficacia del ParacoxTM, nuovo %vaccino% per la coccidiosi del pollo.
 Williams, R. B.
 Coccidiosis Section, Pitman-Moore Europe, Breakspear Road South, Harefield, Uxbridge UB9 6LS, UK.
 Zootechnica International vol. 4 (2): p.10-24
 Publication Year: 1993
 ISSN: 0392-0593 --

Language: Italian

Document Type: Journal article

Paracox (Pitman-Moore) is a live, %attenuated% %vaccine% comprising a stablized suspension of %sporulated% %oocysts% of the seven species of %Eimeria% (E. %acervulina%, E. brunetti, E. %maxima% (two lines), E. %mitis%, E. necatrix, E.praecox and E. %tenella%) that parasitize the domestic fowl. It can be administered to meat birds, and floor-reared layers or layers or broiler breeders as a single dose in the drinking water when they are 5-9 days old. No anticoccidial agent must be included in the feed. Attenuation of the constituent coccidia has been achieved by the development of %precocious% lines. The rationale behind the design of the %vaccine% is outlined and the characteristics of %precocious% lines are given. The efficacy and safety of the %vaccine% are discussed, including floor pen and field trials in Italy, the Netherlands, Germany and the United Kingdom. Results indicate that under commercial conditions this %vaccine% allows the satisfactory rearing of chickens without the use of prophylactic anticoccidial medication. 65 ref.

13/3,AB/3 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0011643503 BIOSIS NO.: 199800437750

Epidemiological aspects of the use of live anticoccidial %vaccines% for chickens

AUTHOR: Williams R B (Reprint)

AUTHOR ADDRESS: Schering-Plough Anim. Health, Breakspear Road South, Harefield, Uxbridge, Middlesex UB9 6LS, UK**UK

JOURNAL: International Journal for Parasitology 28 (7): p1089-1098 July, 1998 1998

MEDIUM: print

ISSN: 0020-7519

DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: This review addresses the epidemiology (epizootiology) of coccidiosis in commercial chickens with emphasis on the effects on the use of live %vaccines%. Surveys suggest that all seven valid species of chicken coccidia (%Eimeria% %acervulina%, %Eimeria% brunetti, %Eimeria% %maxima%, %Eimeria% %mitis%, %Eimeria% necatrix, %Eimeria% praecox and %Eimeria% %tenella%) are ubiquitous. All species are pathogenic to various extents. New results are presented on the pathogenicities of E. %acervulina%, E. %mitis% and E. praecox. Unless ingested by chickens, %oocysts% in poultry-house litter may die after about 3 weeks. Oocyst sporulation may be better in drier, rather than wetter, litter. Whether %sporulated% or not, up to 20% of ingested %oocysts% may pass undamaged through a chicken's intestine. The excreted, %sporulated% %oocysts% can be immediately reingested to initiate an infection; the unsporulated %oocysts% can still sporulate after passing through the intestine. The seven species differ in their times of appearance in commercial flocks; hence particular %vaccines% may be designed for rearing standard broilers for up to about 6 weeks or for breeding stock. %Attenuated%, %precocious% lines of %Eimeria% in %vaccines% have low reproductive potentials, thus avoiding crowding, developing optimally, and stimulating immune responses with minimal tissue damage. Cross-immunity between %Eimeria% species is probably minimal. There is reciprocity between the immune status of chickens and their excretion of %oocysts% for each species, ensuring continual stimulation of immune responses in birds on litter. Paracox %vaccine%, comprising all seven %Eimeria% species, is shown here to stimulate immunity to each of them independently. Total oocyst accumulation in litter following Paracox %vaccination% at 1 week comprises a small peak of %vaccinal% %oocysts% at 2-4 weeks, then a higher peak of the local virulent population at 4-7 weeks, which rapidly wines. The %attenuated% drug-sensitive %vaccinal% %oocysts% probably interbreed with the corresponding wild species, reducing both virulence and drug-resistance in the local population. Anticoccidial %vaccines% may not induce complete immunity in chickens with lowered immunocompetence

due to stressors, including certain viral diseases. Future development of live %vaccines% for standard broilers may be expected in the relatively short term. The useful lives of anticoccidial drugs might be extended by rotating them with live %vaccines%.

13/3,AB/4 (Item 2 from file: 5)
DIALOG(R)File 5:BIOSIS Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0010376290 BIOSIS NO.: 199699010350
Paracox: An %attenuated% %vaccine% against coccidiosis of chickens
AUTHOR: Williams Ray B
AUTHOR ADDRESS: Mallinckrodt Veterinary Ltd., Uxbridge UB9 6LS, UK**UK
JOURNAL: Magyar Allatorvosok Lapja 51 (1): p30-33 1996 1996
ISSN: 0025-004X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Hungarian

ABSTRACT: Paracox %vaccine% contains live, %attenuated%, %sporulated% %oocysts% of seven %Eimeria% species (E. %acervulina%, E. brunetti, E. %maxima% (two lines), E. %mitis%, E. necatrix, E. praecox and E. %tenella%) live in chickens in form of a stable suspension. The preparation can be used equally in broilers, laying and broiler parent pair flocks reared on the floor, namely in a single dose applied via drinking water at the age of 5 to 9 days. The immunity obtained ensure a continuous protection for the fowls both during the growing and the laying periods. In case of %immunized% fowls, it was never necessary to apply a medication - while that was necessary in 40% of the control flocks originally also medicated - presuming that the recirculation of %attenuated% %oocysts% was ensured by bedding: the presence of %oocysts% in the bedding during the lifetime of the flock is not only expectable but also necessary because the protection in owing to the %vaccine% lines developing in the gut of chickens. Under farm conditions, the number of chickens with organic alteration was zero or no more than 4% in the flocks %immunized% in this manner. On the other hand, the percentage of such chickens was as high as 30% in the control flocks fed with medicated feed. Paracox is safe, without any application symptom, even it does not influence unfavourably the progress of body mass gain in the animals. The preparation is sterile, however it is also tested for the contamination by viruses, mycoplasmas, bacteria and fungi. The %vaccine% lines are not drug resistant thus mixing of any anticoccidial drugs in the feed should continuously be restrained in case of flocks to be %vaccinated%. Besides, application of any kind of medicaments with a more significant coccidiostatic or coccidiocid effect should be avoided - if possible - one month after %vaccination%.

13/3,AB/5 (Item 3 from file: 5)
DIALOG(R)File 5:BIOSIS Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0010376289 BIOSIS NO.: 199699010349
Biological principles of live, %attenuated% %vaccines%
AUTHOR: Shirley Martin W
AUTHOR ADDRESS: Inst. Animal Health, Compton Lab., Compton, Nr Newbury, Berks RG20 7NN, UK**UK
JOURNAL: Magyar Allatorvosok Lapja 51 (1): p23-29 1996 1996
ISSN: 0025-004X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Hungarian

ABSTRACT: All the live %vaccines% for controlling avian coccidiosis contain %sporulated% %oocysts%. The two %vaccines% introduced for the first time, Coccivac (Mallinckrodt Veterinary) and Immucox (Vetech Laboratories, Canada) %vaccines% contain %oocysts% of coccidium populations of virulent type, i.e. the natural virulence and/or multiplication of which was not

modified in no way. In spite of that, the recently developed %vaccines% - commercialized under the names Paracox (Mallinckrodt Veterinary) and Livacox (Biopharm, Research Institute of Biopharmacy and Veterinary Drugs) - contain such new populations that are characterized by significantly %attenuated% virulence and decreased reproductive potential. These lines were obtained from virulent parent lines by serial passages in eggs or by repeated selections in chickens directed onto the %precocious% (faster) finishing of developmental cycles. The latest method is the most effective way because it made possible to obtain %attenuated% populations in case of all the seven %Eimeria% species infecting chickens. As compared to the virulent parent lines, developmental cycles of %precocious% lines are characterized by a shorter prepatent period, and further, the oocyst production decreased significantly after having eliminated the late population(s) of schizonts. In addition to this, the intestinal wall damaging effect is significantly decreased while the %immunizing% ability remained protecting against a newer infection with the same species. Owing to the high antigenic differences observed within the E. %maxima% species, %precocious% lines were selected from two virulent strains and both are included into the Paracox %vaccine%. The greatest advantage of %vaccines% based on %attenuated% (low virulent) populations is that they ensure a more broader safety zone than the %vaccines% containing virulent parasites. The present review can be divided into the following 4 topics: Parasites, immunity and %vaccines% - introduction. The two methods used for the isolation of parasites included into the %vaccines%. Main biological characteristics of %attenuated% parasites (early maturing, %precocious% lines, illustrated by the example of E. %tenella% and E. %maxima% species). Field application of %attenuated% %vaccines%. WILLIAMS' and BEDRNIK's reports give a more detailed overview about the field application.

13/3,AB/6 (Item 1 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

0005105265

Derwent Accession: 2002-490048

Methods and compositions for the control of coccidiosis

Inventor: Charles Schasteen, INV

Jackie Green, INV

Farooq Uraizee, INV

Lance Bull, INV

Mary Pfannenstiel, INV

Tony Allington, INV

Correspondence Address: SENNIGER POWERS LEAVITT AND ROEDEL, ONE
 METROPOLITAN SQUARE 16TH FLOOR, ST LOUIS, MO, 63102, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020160022	A1	20021031	US 20015510	20011108
Provisional				US 60-246847	20001108

Fulltext Word Count: 30339

Abstract:

Methods are provided for the sporulation, sterilization and storage of coccidial oocyst which are characterized by an absence of the highly toxic chemical potassium dichromate. Also provided are compositions containing %sporulated% %oocysts% which are free of potassium dichromate

13/3,AB/7 (Item 2 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

0005091677

Derwent Accession: 1997-051902

In ovo %vaccination% against coccidiosis

Inventor: Nigel Evans, INV
Robert Findly, INV
Frederick Weber, INV

Correspondence Address: MYERS BIGEL SIBLEY & SAJOVEC, PO BOX 37428, RALEIGH
, NC, 27627, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020146435	A1	20021010	US 200294436	20020308
Continuation	PENDING			US 97973133	19971201
A371	UNKNOWN			WO 95IB446	19950607

Fulltext Word Count: 4575

Abstract:

The invention relates to a method of %vaccinating% a domesticated bird against coccidiosis comprising administering in ovo an effective immunizing dose of live %Eimeria% sporozoites or merozoites, or a mixture thereof. In a preferred embodiment, the domesticated bird that is %vaccinated% is a chicken or turkey

13/3,AB/8 (Item 3 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

0005035685

Derwent Accession: 1997-051901

In ovo %vaccination% against coccidiosis

Inventor: Nigel Evans, INV
Robert Findly, INV
Frederick Weber, INV

Correspondence Address: Karen A. Magri Myers Bigel Sibley & Sajovee, PO Box
37428, Raleigh, NC, 27627, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020090378	A1	20020711	US 200294087	20020308
Continuation	PENDING			US 97973151	19971201
A371	UNKNOWN			WO 95IB445	19950607

Fulltext Word Count: 3459

Abstract:

The invention relates to a method of %vaccinating% a domesticated bird against coccidiosis comprising administering in ovo an effective %immunizing% dose of live %Eimeria% sporocysts or %oocysts%, or a mixture thereof

13/3,AB/9 (Item 4 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

0005006652

Derwent Accession: 1999-190117

Method for protecting against chronic infections

Inventor: Eng-Hong Lee, INV

Correspondence Address: DENNISON ASSOCIATES SUITE 301, 133 RICHMOND STREET
WEST, TORONTO, ON, M5H 2L7, CA

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent US 20020061314 A1 20020523 US 2001971359 20011005
CIP PATENTED US 9862316 19980420
Priority CA 2213385 19970820

Fulltext Word Count: 7006

Abstract:

The present invention is directed to a method of protecting an animal against a chronic disease, the disease being caused by an infectious organism which undergoes more than one stage in its life cycle or undergoes more than one infectious cycle. The method comprises:

a) administering to the animal a live %vaccine% containing sufficient organisms to develop an immunological response in the animal;

b) maintaining the animal free from chemotherapeutic agents effective against the infectious organism for a period of time corresponding to about one life or infectious cycle of the organism; and

c) thereafter administering to the animal a chemotherapeutic agent effective against the infectious organism for a period of time corresponding to at least one life or infectious cycle of the infectious organism

13/3,AB/10 (Item 5 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

0004976914
Derwent Accession: 1997-051902
C/ IN OVO %VACCINATION% AGAINST COCCIDIOSIS
; %INJECTION O%F SPOROZOITES OR MEROZOITES
Inventor: NIGEL A EVANS, INV
ROBERT CRAIG FINDLY, INV
FREDERICK H. WEBER, INV
Unassigned Or Assigned To Individual (Code: 68000)
Correspondence Address: PAUL H. GINSBERG PFIZER INC., 235 EAST 42ND STREET,
NEW YORK, NY, 10017-5755, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020031530	A1	20020314	US 97973133	19971201
PCT				WO 951B446	19950607

Fulltext Word Count: 4514

Abstract:

The Invention relates to a method of %vaccinating% a domesticated bird against coccidiosis comprising administering in ova an effective itmmunwning dose of live Ekneria sporozoites or merozoites, or a mixture thereof. In a preferred embodiment, the domesticated bird that is %vaccinated% is a chicken or turkey

13/3,AB/11 (Item 6 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

0004951833
Derwent Accession: 1998-465364
%VACCINES% AGAINST %EIMERIA% MEDIATED DISORDER
Inventor: ARNO N VERMEULEN, INV
DOMINIQUE G J CLERCX-BREED, INV
Correspondence Address: WILLIAM M BLACKSTONE AKZO NOBEL, 1300 PICCARD DRIVE
NO 206, ROCKVILLE, MD, 208504373

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20020006408	A1	20020117	US 9856806	19980408
Priority				EP 97302447	19970904

Fulltext Word Count: 10678

Abstract:

Compositions comprising %Eimeria% proteins or variants/fragments of such proteins can be used to produce a coccidiosis %vaccine%.

The proteins are present in the hydrophilic phase of a Triton X-114 extract of %Eimeria% sporozoites and have molecular masses of 26-30 kDa+/-5 kDa when determined by SDS PAGE under reducing conditions

13/3,AB/12 (Item 7 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

0004894938
 new-utility
 Coccidiosis %vaccines%
 Inventor: Arnoldus Vermeulen, INV
 Theodorus Schetters, INV
 Correspondence Address: William M. Blackstone AKZO NOBEL, #206 1300 Piccard
 Drive, Rockville, MD, 20850-4373, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20010005910	A1	20010628	US 2000739561	20001218
Priority				EP 99204444	19991221

Fulltext Word Count: 6183

Abstract:

The present invention relates to coccidiosis strains and, in another embodiment to microbiological cultures comprising such strains. Another embodiment of the invention relates to %vaccines% based thereon. Still other embodiments relate to the use of such strains for the preparation of %vaccines% for the protection against coccidiosis and to methods for the preparation of such %vaccines%

13/3,AB/13 (Item 8 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

4803163
 Derwent Accession: 1997-051902
 Utility
 C/ In ovo %vaccination% against coccidiosis
 ; %INJECTION O%F SPOROZOITES OR MEROZOITES
 Inventor: Evans, Nigel A., East Lyme, CT
 Findly, Robert Craig, Wethersfield, CT
 Weber, Frederick H., Terre Haute, IN
 Assignee: Pfizer Incorporated (02), New York, NY
 Pfizer Inc (Code: 65376)
 Examiner: Saoud, Christine J. (Art Unit: 167)
 Assistant Examiner: Turner, Sharon
 Law Firm: Myers Bigel Sibley & Sajovec, P.A.

	Publication Number	Kind	Date	Application Number	Filing Date

Main Patent US 6500438 A 20021231 US 97973133 19971201
PCT WO 9640234 19961219 WO 95IB446 19950607
371:
102e:

Fulltext Word Count: 4007

Abstract:

The invention relates to a method of %vaccinating% a domesticated bird against coccidiosis comprising administering in ovo an effective %immunizing% dose of live %Eimeria% sporozoites or merozoites, or a mixture thereof. In a preferred embodiment, the domesticated bird that is %vaccinated% is a chicken or turkey.

13/3,AB/14 (Item 9 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4797148
Derwent Accession: 1997-051901
Utility
C/ In ovo %vaccination% against coccidiosis
; %ADMINISTERING% %EIMERIA% SPORES, %OOCYSTS% AND/OR MIXTURES DURING
INCUBATION OF POULTRY EGGS; IMMUNOLOGY
Inventor: Evans, Nigel A., East Lyme, CT
Findly, Robert Craig, Wethersfield, CT
Weber, Frederick H., Terre Haute, IN
Assignee: Pfizer Incorporated (02), New York, NY
Pfizer Inc (Code: 65376)
Examiner: Minnifield, Nita (Art Unit: 165)
Law Firm: Myers Bigel Sibley & Sajovec P.A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6495146	A	20021217	US 97973151	19971201
PCT	WO 9640233		19961219	WO 95IB445	19950607
			371:19971201		
			102e:19971201		

Fulltext Word Count: 2857

Abstract:

The invention relates to a method of %vaccinating% a domesticated bird against coccidiosis comprising administering in ovo an effective %immunizing% dose of live %Eimeria% sporocysts or %oocysts%, or a mixture thereof.

13/3,AB/15 (Item 10 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4589299
Derwent Accession: 1999-190117
Utility
C/ Method of protecting against chronic infections
; ADMINISTERING TO BIRD %VACCINE% CONTAINING LIVE %OOCYSTS% OF %EIMERIA%
SP. TO DEVELOP IMMUNOLOGICAL RESPONSE; MAINTAINING BIRD FREE FROM DRUGS
AGAINST COCCIDIOSIS; ADMINISTERING TO THE BIRD A CHEMOTHERAPEUTIC AGENT
EFFECTIVE AGAINST COCCIDIOSIS
Inventor: Lee, Eng-Hong, RR#4 Rockwood, Octario, CA, NOB 2K0
Assignee: Unassigned
Unassigned Or Assigned To Individual (Code: 68000)
Examiner: Navarro, Mark (Art Unit: 165)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6306385	A	20011023	US 9862316	19980420
Priority				CA 2213385	19970820

Fulltext Word Count: 6270

Abstract:

The present invention is directed to a method of protecting an animal against a chronic disease, the disease being caused by an infectious organism which undergoes more than one life cycle. The method comprises:

- a) administering to the animal a %vaccine% containing sufficient organisms to develop an immunological response in the animal;
- b) maintaining the animal free from chemotherapeutic agents effective against the infectious organism for a period of time corresponding to about one life cycle of the organism; and
- c) thereafter administering to the animal a chemotherapeutic agent effective against the infectious organism for a period of time corresponding to at least one life cycle of the infectious organism

13/3,AB/16 (Item 11 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

4362359
 Derwent Accession: 1997-109375
 Utility
 C/ Coccidiosis poultry %vaccine%
 ; %NUCLEIC% ACIDS ENCODING AN IMMUNOGENIC FRAGMENT OF %EIMERIA% LACTATE
 DEHYDROGENASE (LDH) WHICH WILL REACT WITH ANTISERUM RAISED AGAINST THE LDH;
 PREPARING A VECTOR %VACCINE% AGAINST COCCIDIOSIS; ADMINISTERING TO PREVENT
 COCCIDIOSIS IN BIRDS
 Inventor: Kok, Jacobus Johannes, Nijmegen, NL
 van den Boogaart, Paul, SC Oss, NL
 Vermeulen, Arnodus Nicolaas, Cuyk, NL
 Assignee: Akzo Nobel, N.V. (03), NL
 Akzo Nobel N V NL (Code: 33913)
 Examiner: Crouch, Deborah (Art Unit: 162)
 Assistant Examiner: Martin, Jill D.
 Combined Principal Attorneys: Gormley, Mary E.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6100241	A	20000808	US 96676882	19960703
Priority				EP 95201801	19950703

Fulltext Word Count: 9585

Abstract:

This invention relates to %Eimeria% proteins with immunogenic properties as well as to DNA sequences encoding these proteins. These proteins can be administered to poultry thereby protecting the birds against coccidiosis. In addition the DNA encoding these proteins can be used for the preparation of a vector %vaccine% against coccidiosis.

13/3,AB/17 (Item 12 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

4251360
 Derwent Accession: 1996-210114
 Utility
 EXPIRED

C/ Coccidiosis poultry %vaccine%
; %EIMERIA%% PROTEIN WITH IMMUNOGENIC PROPERTIES; DNA ENCODING THIS
PROTEIN CAN BE USED FOR THE PREPARATION OF A VECTOR %VACCINE% AGAINST
COCCIDIOSIS

Inventor: Tomley, Fiona Margaret, Oxford, GB
Dunn, Paul Patric James, Oxfordshire, GB
Bumstead, Janene Marylin, Wantage, GB
Vermeulen, Arnoldus Nicolaas, Cuyk, NL

Assignee: Akzo Nobel, N.V. (03), Arnhem, NL
Akzo Nobel N V NL (Code: 33913)

Examiner: Caputa, Anthony C. (Art Unit: 165)

Assistant Examiner: Navarro, Mark

Combined Principal Attorneys: Gormley, Mary E.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6001363	A	19991214	US 9813780	19980126
Division	US 5885568	A		US 95527044	19950912
Priority				EP 94202676	19940916

Fulltext Word Count: 10259

Abstract:

This invention relates to a novel %Eimeria% protein with immunogenic properties as well as to DNA sequences encoding these proteins. This protein can be administered to poultry thereby protecting the birds against coccidiosis. In addition the DNA encoding this protein can be used for the preparation of a vector %vaccine% against coccidiosis.

13/3,AB/18 (Item 13 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4124840
Derwent Accession: 1996-210114

Utility

EXPIRED

C/ Coccidiosis poultry %vaccine%
; %EIMERIA%% PROTEIN WITH IMMUNOGENIC PROPERTIES; PROTEIN CAN BE
ADMINISTERED TO POULTRY THEREBY PROTECTING THE BIRDS AGAINST COCCIDIOSIS;
VECTOR %VACCINE%

Inventor: Tomley, Fiona Margaret, Oxford, GB England
Dunn, Paul Patric James, Chalgrove, GB England
Bumstead, Janene Marylin, Wantage, GB England
Vermeulen, Arnoldus N., Cuyk, NL

Assignee: Akzo Nobel N.V. (03), Arnhem, NL
Akzo Nobel N V NL (Code: 33913)

Examiner: Caputa, Anthony C. (Art Unit: 187)

Assistant Examiner: Navarro, Mark

Combined Principal Attorneys: Klesner, Sharon N.; Gormley, Mary E.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5885568	A	19990323	US 95527044	19950912
Priority				EP 94202676	19940616

Fulltext Word Count: 10470

Abstract:

This invention relates to a novel %Eimeria% protein with immunogenic properties as well as to DNA sequences encoding these proteins. This protein can be administered to poultry thereby protecting the birds against coccidiosis. In addition the DNA encoding this protein can be used for the preparation of a vector %vaccine% against coccidiosis.

13/3,AB/19 (Item 14 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4078308
Derwent Accession: 1995-180711
Utility
C/ Coccidiosis poultry %vaccine%
Inventor: Bumstead, Janene Marilyn, Wantage, GB England
Dunn, Paul Patrick James, Chalgrove, GB England
Tomley, Fiona Margaret, Oxford, GB England
Vermeulen, Arnoldus Nicolaas, Cuijk, NL
Assignee: Akzo Nobel N.V. (03), Arnhem, NL
Akzo Nobel N V NL (Code: 33913)
Examiner: Scheiner, Laurie (Art Unit: 188)
Combined Principal Attorneys: Gormley, Mary E.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5843722	A	19981201	US 96668416	19960621
Continuation	Pending			US 94338057	19941110
Priority				EP 933090789	19931112

Fulltext Word Count: 11641

Abstract:

This invention relates to novel %Eimeria% proteins with immunogenic properties as well as to DNA sequences encoding these proteins. These proteins can be administered to poultry thereby protecting the birds against coccidiosis. In addition the DNA encoding these proteins can be used for the preparation of a vector %vaccine% against coccidiosis.

13/3,AB/20 (Item 15 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4026342
Derwent Accession: 1995-180711
Utility
C/ Coccidiosis poultry %vaccine%
; %NUCLEIC% ACID MOLECULES WITH CODES FOR PROTEINS WITH AMINO ACID SEQUENCES FOR %VACCINES%
Inventor: Bumstead, Janene Marilyn, Wantage, GB England
Dunn, Paul Patrick James, Chalgrove, GB England
Tomley, Fiona Margaret, Oxford, GB England
Vermeulen, Arnoldus Nicolaas, Cuijk, NL
Assignee: Akzo Nobel N.V. (03), Arnhem, NL
Akzo Nobel N V NL (Code: 33913)
Examiner: Nucker, Christine M. (Art Unit: 183)
Assistant Examiner: Scheiner, Laurie
Combined Principal Attorneys: Gormley, Mary E.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5795741	A	19980818	US 94338057	19941110
Priority				EP 93309078	19931112

Fulltext Word Count: 11581

Abstract:

This invention relates to novel %Eimeria% proteins with immunogenic properties as well as to DNA sequences encoding these proteins. These proteins can be administered to poultry thereby protecting the birds

against coccidiosis. In addition the DNA encoding these proteins can be used for the preparation of a vector %vaccine% against coccidiosis.

13/3,AB/21 (Item 16 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3934355
Derwent Accession: 1990-051586
Utility
REASSIGNED, EXPIRED
C/ Isolated protein from %Eimeria% useful as a cross species %vaccine%
; %IMMUNOL%OGY AND% ANTIGENS
Inventor: Anderson, David M., Rockville, MD
McCandliss, Russell J., Gaithersburg, MD
Strausberg, Susan Lee, Silver Spring, MD
Strausberg, Robert L., Silver Spring, MD
Ruff, Michael D., Bowie, MD
Danforth, Harry D., Severn, MD
Augustine, Patricia C., Laurel, MD
Assignee: British Technology Group USA Inc. (02), Gulph Mills, PA
The United States of America as represented by the Department of
Agriculture (02), Washington, DC
BTG International Inc
U S of America Agriculture Secretary of (Code: 28783 86512)
Examiner: Caputa, Anthony C. (Art Unit: 187)
Law Firm: Banner & Witcoff, Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5709862	A	19980120	US 93148279	19931108
Division	US 5279960	A		US 92879137	19920505
Continuation	Abandoned			US 88215162	19880705
CIP	Abandoned			US 85746520	19850619
	Abandoned			US 84627811	19840705

Fulltext Word Count: 22481

Abstract:

A cloned gene or fragment thereof encodes antigenic proteins that bind with a monoclonal or polyvalent antibody that is directed against an antigenic protein of avian coccidia.

13/3,AB/22 (Item 17 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3874314
Derwent Accession: 1992-114365
Utility
REASSIGNED
C/ %Eimeria% antigenic composition which elicits antibodies against avian coccidiosis
; %USEFUL %IN %IMMUNIZING% CHICKENS
Inventor: Jacobson, James W., Rockville, MD
Strausberg, Robert L., Silver Spring, MD
Wilson, Susan D., Rockville, MD
Pope, Sharon H., Gaithersburg, MD
Strausberg, Susan Lee, Silver Spring, MD
Ruff, Michael D., Bowie, MD
Augustine, Patricia C., Laurel, MD
Danforth, Harry D., Severn, MD
Assignee: BTG USA Inc. (02), Gulph Mills, PA
BTG International Inc (Code: 28783)
Examiner: Budens, Robert D. (Art Unit: 183)
Assistant Examiner: Scheiner, Laurie

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5656485	A	19970812	US 96691454	19960802
Division	US 5597571	A		US 95484387	19950607
Division	US 5482709	A	19960109	US 93148432	19931108
Division	US 5273901	A	19931228	US 90581693	19900912
CIP	Abandoned			US 88215162	19880705
CIP	Abandoned			US 85746520	19850619
CIP	Abandoned			US 84627811	19840705

Fulltext Word Count: 9388

Abstract:

This invention relates to novel recombinant antigenic proteins of avian coccidiosis, and fragments thereof containing antigenic determinants, and to the genes that encode the antigenic peptides. This invention also relates to %vaccines% made using the novel antigenic proteins of avian coccidiosis and to methods of %immunizing% chickens against avian coccidia.

13/3,AB/23 (Item 18 from file: 654)
 DIALOG(R) File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3828496
 Derwent Accession: 1995-180711
 Utility
 C/ Coccidiosis poultry %vaccine%
 Inventor: Bumstead, Janene M., Wantage, GB England
 Dunn, Paul P. J., Chalgrove, GB England
 Tomley, Fiona M., Oxford, GB England
 Vermeulen, Arnoldus N., Cuijk, NL
 Assignee: Akzo Nobel N.V. (03), Arnhem, NL
 Akzo Nobel N V NL (Code: 33913)
 Examiner: Mosher, Mary E. (Art Unit: 183)
 Assistant Examiner: Scheiner, Laurie
 Combined Principal Attorneys: Gormley, Mary E.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5614195	A	19970325	US 95464164	19950602
Division	Pending			US 94338057	19941110
Priority				EP 93309078	19931112

Fulltext Word Count: 11496

Abstract:

This invention relates to novel %Eimeria% proteins with immunogenic properties as well as to DNA sequences encoding these proteins. These proteins can be administered to poultry thereby protecting the birds against coccidiosis. In addition the DNA encoding these proteins can be used for the preparation of a vector %vaccine% against coccidiosis.

13/3,AB/24 (Item 19 from file: 654)
 DIALOG(R) File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3811071
 Derwent Accession: 1992-114365
 Utility
 REASSIGNED
 C/ %Eimeria% antigenic composition which elicits antibodies against avian coccidiosis

Inventor: Jacobson, James W., Rockville, MD
 Strausberg, Robert L., Silver Spring, MD
 Wilson, Susan D., Rockville, MD
 Pope, Sharon H., Gaithersburg, MD
 Strausberg, Susan L., Silver Spring, MD
 Ruff, Michael D., Bowie, MD
 Augustine, Patricia C., Laurel, MD
 Danforth, Harry D., Severn, MD
 Assignee: British Technology Group USA Inc. (02), Gulph Mills, PA
 BTG International Inc (Code: 28783)
 Examiner: Nucker, Christine M. (Art Unit: 183)
 Assistant Examiner: Scheiner, Laurie
 Law Firm: Sterne, Kessler, Goldstein and Fox P.L.L.C.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5597571	A	19970128	US 95484387	19950607
Division	US 5482709	A		US 93148432	19931108
Division	US 5273901	A		US 90581693	19900912
CIP	Abandoned			US 88215162	19880705
CIP	Abandoned			US 85746520	19850619
CIP	Abandoned			US 84627811	19840705

Fulltext Word Count: 9338

Abstract:

This invention relates to novel recombinant antigenic proteins of avian coccidiosis, and fragments thereof containing antigenic determinants, and to the genes that encode the antigenic peptides. This invention also relates to %vaccines% made using the novel antigenic proteins of avian coccidiosis and to methods of %immunizing% chickens against avian coccidia.

13/3,AB/25 (Item 20 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3773751
 Derwent Accession: 1992-400736
 Utility
 C/ %Eimeria% %tenella% 16S rDNA probes
 ; %FOR DET%ECTION %OF PARASITIC INFECTIONS IN POULTRY
 Inventor: Chakraborty, Prasanta R., Scotch Plains, NJ
 Dashkevicz, Michael, Jamesburg, NJ
 Elbrecht, Alex, Watchung, NJ
 Feighner, Scott D., Scotch Plains, NJ
 Liberator, Paul A., Jackson, NJ
 Profous-Juchelka, Helen, Staten Island, NY
 Assignee: Merck & Co., Inc. (02), Rahway, NJ
 Merck & Co Inc (Code: 54136)
 Examiner: Moskowitz, Margaret (Art Unit: 187)
 Assistant Examiner: Bennett, Lisa
 Combined Principal Attorneys: Carty, Christine E.; Tribble, Jack L.;
 Pfeiffer, Hesna J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5563256	A	19961008	US 92879469	19920512
CIP	Abandoned			US 91707362	19910529

Fulltext Word Count: 21251

Abstract:

Unique species-specific %Eimeria% %tenella% DNA probes comprising

divergent DNA sequences are disclosed. The probes are complementary to a small subunit ribosomal RNA gene of %Eimeria% %tenella%.

13/3,AB/26 (Item 21 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3685084
Derwent Accession: 1990-051586
Utility
REASSIGNED, EXPIRED
C/ %Eimeria% antigenic composition which elicits antibodies against avian coccidiosis
Inventor: Jacobson, James W., Rockville, MD
Strausberg, Robert L., Silver Spring, MD
Wilson, Susan D., Rockville, MD
Pope, Sharon H., Gaithersburg, MD
Strausberg, Susan L., Silver Spring, MD
Ruff, Michael D., Bowie, MD
Augustine, Patricia C., Laurel, MD
Danforth, Harry D., Severn, MD
Assignee: British Technology Group USA Inc. (02), Gulph Mills, PA
The United States of America as represented by the Dept. of Agriculture (06), Washington, DC
BTG International Inc
U S of America Agriculture Secretary of (Code: 28783 86512)
Examiner: Mosher, Mary E. (Art Unit: 183)
Assistant Examiner: Scheiner, Laurie
Law Firm: Sterne, Kessler, Goldstein & Fox

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5482709	A	19960109	US 93148432	19931108
Division	US 5273901	A		US 90581693	19900912
CIP	Pending			US 88215162	19880705
CIP	Abandoned			US 85746520	19850619
CIP	Abandoned			US 84627811	19840705

Fulltext Word Count: 9270

Abstract:

This invention relates to novel recombinant antigenic proteins of avian coccidiosis, and fragments thereof containing antigenic determinants, and to the genes that encode the antigenic peptides. This invention also relates to %vaccines% made using the novel antigenic proteins of avian coccidiosis and to methods of %immunizing% chickens against avian coccidia.

13/3,AB/27 (Item 22 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3648374
Derwent Accession: 1992-400735
Utility
EXPIRED
C/ %Eimeria% praecox 16S rDNA probes
; %DNA DET%ECTORS
Inventor: Chakraborty, Prasanta R., Scotch Plains, NJ
Dashkevicz, Michael, Jamesburg, NJ
Elbrecht, Alex, Watchung, NJ
Feighner, Scott D., Scotch Plains, NJ
Liberator, Paul A., Holmdel, NJ
Profous-Juchelka, Helen, Staten Island, NY
Assignee: Merck and Co., Inc. (02), Rahway, NJ

Merck & Co Inc (Code: 54136)

Examiner: Moskowitz, Margaret (Art Unit: 187)

Assistant Examiner: Bennett, Lisa

Combined Principal Attorneys: Carty, Christine E.; Tribble, Jack L.;
Pfeiffer, Hesna J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5449768	A	19950912	US 92879594	19920512
CIP	Abandoned			US 91707360	19910529

Fulltext Word Count: 21050

Abstract:

Unique species-specific %Eimeria% praecox DNA probes comprising divergent DNA sequences are disclosed. The probes are complementary to a small subunit ribosomal RNA gene of %Eimeria% praecox.

13/3,AB/28 (Item 23 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2004 The Dialog Corp. All rts. reserv.

3547337

Derwent Accession: 1992-400737

Utility

EXPIRED

C/ %Eimeria% %mitis% 16S or DNA probes

; %MULTIVA%%LENT %COCCIDIOSIS %VACCINE%

Inventor: Chakraborty, Prasanta R., Scotch Plains, NJ

Elbrecht, Alex, Watchung, NJ

Dashkevicz, Michael, Jamesburg, NJ

Feighner, Scott D., Scotch Plains, NJ

Liberator, Paul A., Jackson, NJ

Profous-Juchelka, Helen, Staten Island, NY

Assignee: Merck and Co., Inc. (02), Rahway, NJ

Merck & Co Inc (Code: 54136)

Examiner: Moskowitz, Margaret (Art Unit: 187)

Assistant Examiner: Bennett, Lisa

Combined Principal Attorneys: Carty, Christine E.; Tribble, Jack L.;
Pfeiffer, Hesna J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5359050	A	19941025	US 92879640	19920512
CIP	Abandoned			US 91707355	19910529

Fulltext Word Count: 20720

Abstract:

Unique species-specific %Eimeria% %mitis% DNA probes comprising divergent DNA sequences are disclosed. The probes are complementary to a small subunit ribosomal RNA gene of %Eimeria% %mitis%.

13/3,AB/29 (Item 24 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2004 The Dialog Corp. All rts. reserv.

3480543

Derwent Accession: 1992-400747

Utility

EXPIRED

C/ %Eimeria% %acervulina% 16S rDNA probes

; %DNA DET%%ECTORS AND% DNA SEQUENCES

Inventor: Chakraborty, Prasanta R., Scotch Plains, NJ
 Elbrecht, Alex, Watchung, NJ
 Dashkevich, Michael, Jamesburg, NJ
 Feighner, Scott D., Scotch Plains, NJ
 Liberator, Paul A., Jackson, NJ
 Profous-Juchelka, Helen, Staten Island, NY
 Assignee: Merck and Co., Inc. (02), Rahway, NJ
 Merck & Co Inc (Code: 54136)
 Examiner: Moskowitz, Margaret (Art Unit: 187)
 Assistant Examiner: Bennett, Lisa
 Combined Principal Attorneys: Carty, Christine E.; Tribble, Jack L.;
 Pfeiffer, Hesna J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5298613	A	19940329	US 92879644	19920512
CIP	Abandoned			US 91706817	19910529

Fulltext Word Count: 20647

Abstract:

Unique species-specific %Eimeria% %acervulina% DNA probes comprising divergent DNA sequences are disclosed. The probes are complementary to a small subunit ribosomal RNA gene of %Eimeria% %acervulina%.

13/3,AB/30 (Item 25 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3469770
 Derwent Accession: 1992-400746
 Utility
 EXPIRED
 C/ %Eimeria% necatrix 16s rDNA probes
 ; %VACCINE%% FOR CO%CCIDIOSIS

Inventor: Chakraborty, Prasanta R., Scotch Plains, NJ
 Dashkevich, Michael, Jamesburg, NJ
 Elbrecht, Alex, Watchung, NJ
 Feighner, Scott D., Scotch Plains, NJ
 Liberator, Paul A., Jackson, NJ
 Profous-Juchelka, Helen, Staten Island, NY
 Assignee: Merck and Co., Inc. (02), Rahway, NJ
 Merck & Co Inc (Code: 54136)
 Examiner: Moskowitz, Margaret (Art Unit: 187)
 Assistant Examiner: Bennett, Lisa
 Combined Principal Attorneys: Carty, Christine E.; Tribble, Jack L.;
 Pfeiffer, Hesna J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5288845	A	19940222	US 92879470	19920512
CIP	Abandoned			US 91707351	19910529

Fulltext Word Count: 20734

Abstract:

Unique species-specific %Eimeria% necatrix DNA probes comprising divergent DNA sequences are disclosed. The probes are complementary to a small subunit ribosomal RNA gene of %Eimeria% necatrix.

13/3,AB/31 (Item 26 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3459714
 Derwent Accession: 1990-051586
 Utility
 REASSIGNED
 C/ 25 KD coccidial antigen of %eimeria% %tenella%
 ; %CLONED %GENES; %ELUTING PROTECTIVE IMMUNE RESPONSE WHEN ADMINISTED TO
 AVIAN HOST
 Inventor: Anderson, David M., Rockville, MD
 McCandliss, Russell J., Gaithersburg, MD
 Strausberg, Susan L., Silver Spring, MD
 Strausberg, Robert L., Silver Spring, MD
 Ruff, Michael D., Bowie, MD
 Danforth, Harry D., Severn, MD
 Augustine, Patricia C., Laurel, MD
 Assignee: Enzon Corp. (02), Piscataway, NJ
 U.S.A. Dept. of Agriculture (02), Washington, DC
 Enzon Inc
 U S of America Agriculture Secretary of (Code: 28483 86512)
 Examiner: Lacey, David L. (Art Unit: 186)
 Assistant Examiner: Nisbet, T. Michael
 Law Firm: Sterne, Kessler, Goldstein & Fox

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5279960	A	19940118	US 92879137	19920505
Continuation	Abandoned			US 88215162	19880705
CIP	Abandoned			US 85746520	19850619
CIP	Abandoned			US 84627811	19840705

Fulltext Word Count: 22549

Abstract:
 A cloned gene or fragment thereof encodes antigenic proteins that bind with a monoclonal or polyvalent antibody that is directed against an antigenic protein of avian coccidia.

13/3,AB/32 (Item 27 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3457820
 Derwent Accession: 1992-400742
 Utility
 EXPIRED
 C/ %Eimeria% brunetti 16s rDNA probes
 ; %POLYNUC%LEOTIDES
 Inventor: Chakraborty, Prasanta R., Scotch Plains, NJ
 Elbrecht, Alex, Watchung, NJ
 Dashkevicz, Michael, Jamesburg, NJ
 Feighner, Scott D., Scotch Plains, NJ
 Liberator, Paul A., Jackson, NJ
 Profous-Juchelka, Helen, Staten Island, NY
 Assignee: Merck & Co., Inc. (02), Rahway, NJ
 Merck & Co Inc (Code: 54136)
 Examiner: Moskowitz, Margaret (Art Unit: 187)
 Assistant Examiner: Bennett, Lisa
 Combined Principal Attorneys: Carty, Christine E.; Tribble, Jack L.; Pfeiffer, Hesna J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5278298	A	19940111	US 92879584	19920512
CIP	Abandoned			US 91706717	19910529

Fulltext Word Count: 20755

Abstract:

Unique species-specific *Eimeria* brunetti DNA probes comprising divergent DNA sequences are disclosed. The probes are complementary to a small subunit ribosomal RNA gene of *Eimeria* brunetti.

13/3,AB/33 (Item 28 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3452966
Derwent Accession: 1992-114365
Utility
REASSIGNED, EXPIRED
C/ Genetically engineered coccidiosis sporozoite 21.5 Kb antigen, ac-6b
; A CLONED DNA HAVING A SEQUENCE OF 360 AMINO ACIDS
Inventor: Jacobson, James W., Rockville, MD
Strausberg, Robert L., Silver Spring, MD
Wilson, Susan D., Rockville, MD
Pope, Sharon H., Gaithersburg, MD
Strausberg, Susan L., Silver Spring, MD
Ruff, Michael D., Bowie, MD
Augustine, Patricia C., Laurel, MD
Danforth, Harry D., Severn, MD
Assignee: Enzon Corp. (02), S. Plainfield, NJ
U.S. Dept. of Agriculture (06), Washington, DC
Enzon Inc
U S of America Agriculture Secretary of (Code: 28483 86512)
Examiner: Chan, Y. Christina (Art Unit: 186)
Assistant Examiner: Nisbet, T. Michael
Law Firm: Sterne, Kessler, Goldstein & Fox

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5273901	A	19931228	US 90581693	19900912
CIP	Pending			US 88215162	19880705
CIP	Abandoned			US 85746520	19850619
CIP	Abandoned			US 84627811	19840705

Fulltext Word Count: 9343

Abstract:

This invention relates to novel recombinant antigenic proteins of avian coccidiosis, and fragments thereof containing antigenic determinants, and to the genes that encode the antigenic peptides. This invention also relates to *vaccines* made using the novel antigenic proteins of avian coccidiosis and to methods of *immunizing* chickens against avian coccidia.

13/3,AB/34 (Item 29 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3444828
Derwent Accession: 1992-400734
Utility
C/ *Eimeria* *maxima* 165 rDNA probes
Inventor: Chakraborty, Prasanta R., Scotch Plains, NJ
Dashkevicz, Michael, Jamesburg, NJ
Elbrecht, Alex, Watchung, NJ
Feighner, Scott D., Scotch Plains, NJ
Liberator, Paul A., Holmdel, NJ
Profous-Juchelka, Helen, Staten Island, NY

Assignee: Merck and Co., Inc. (02), Rahway, NJ
 Merck & Co Inc (Code: 54136)
 Examiner: Moskowitz, Margaret (Art Unit: 187)
 Assistant Examiner: Bennett, Lisa
 Combined Principal Attorneys: Carty, Christine E.; Tribble, Jack L.;
 Pfeiffer, Hesna J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5266689	A	19931130	US 92879647	19920512
CIP	Abandoned			US 91706628	19910529

Fulltext Word Count: 20640

Abstract:

Unique species-specific %Eimeria% %maxima% DNA probes comprising divergent DNA sequences are disclosed. The probes are complementary to a small subunit ribosomal RNA gene of %Eimeria% %maxima%.

13/3,AB/35 (Item 30 from file: 654)
 DIALOG(R)File 654:US Pat.Full.
 (c) Format only 2004 The Dialog Corp. All rts. reserv.

3356406
 Derwent Accession: 1993-075726
 Utility
 REASSIGNED
 C/ DNA encoding an antigenic protein derived from %Eimeria% %tenella% and %vaccines% for prevention of coccidiosis caused by %Eimeria% %tenella%
 ; %FOR IND%%UCING I%%MMUNE RE%%SPONSE %%IN CHIC%KENS
 Inventor: Andrews, William H., San Mateo, CA
 Brothers, Virginia M., Albany, CA
 Files, James G., Belmont, CA
 Kuhn, Irene, San Francisco, CA
 McCaman, Michael T., San Bruno, CA
 Sias, Stacey R., San Anselmo, CA
 Paul, Leland S., Island Lake, IL
 Gore, Thomas C., Charles City, IA
 Newman, Jr., Karel Z., Eden Prairie, MN
 Tedesco, John L., St. Peters, MO
 Assignee: Solvay & Cie S.A. (03), Brussels, BE
 Solvay S A BE (Code: 78176)
 Examiner: Ellis, Joan (Art Unit: 183)
 Combined Principal Attorneys: White, John P.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5187080	A	19930216	US 92824700	19920121
Continuation	Abandoned			US 87125012	19871124
CIP	US 4874705	A		US 85805824	19851206
CIP	Abandoned			US 85734085	19850516
CIP	Abandoned			US 84617483	19840605

Disclaimer Date: 20061017

Fulltext Word Count: 25488

Abstract:

Nucleic acid molecules are provided which encode antigenic proteins capable of inducing in a chicken an immune response conferring protection against %Eimeria% %tenella%. Expression vectors containing the nucleic acid molecules are also provided. Methods for producing the proteins or antigenic polypeptides having amino acid sequences included within these proteins are also provided.

13/3,AB/36 (Item 31 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3285433
Derwent Accession: 1989-270713
Utility
EXPIRED

C/ Cloned genes coding for avian coccidiosis antigens which induce a cell-mediated immune response

Inventor: Jenkins, Mark C., Bowie, MD
Lillehoj, Hyun S., West Friendship, MD
Dame, John B., Gainesville, FL
Danforth, Harry D., Severn, MD
Ruff, Michael D., Bowie, MD

Assignee: The United States of America as represented by the Secretary of Agriculture (06), Washington, DC
U S of America Agriculture Secretary of (Code: 86512)

Examiner: Ellis, Joan (Art Unit: 183)

Combined Principal Attorneys: Silverstein, M. Howard; Fado, John D.;
Ribando, Curtis P.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5122471	A	19920616	US 89308219	19890209
CIP	Pending			US 88155264	19880212

Fulltext Word Count: 11384

Abstract:

Disclosed are DnA sequences which code for antigenic proteins, methods for identifying such DNA sequences, and antigens coded for by such DNA sequences.

The first step of the method is to provide a multiplicity of DNA sequences. These sequences are then inserted into DNA expression vectors to form recombinant expression vectors. The expression vectors are inserted into suitable hosts to form transformants which express the DNA sequences. The transformants are then contacted with antibodies directed against %Eimeria% antigens to identify transformants containing DNA sequences which code for %Eimeria% antigens. These antigens are then produced from the DNA sequences identified as coding for the antigens. The antigens so produced are contacted with white blood cells which effect a cell-mediated immune response, which white blood cells are sensitized to an antigenic %Eimeria% protein, to thereby identify DNA sequences which code for antigens that induce a cell-mediated immune response to avian coccidiosis.

The DNA sequences of the present invention comprise cloned genes or fragments thereof that code on expression for an antigenic protein that activates white blood cells which effect a cell-mediated immune response, which white blood cells are sensitized to an antigenic %Eimeria% protein.

13/3,AB/37 (Item 32 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3211583
Derwent Accession: 1988-051616
Utility
REASSIGNED

C/ %Vaccines% for coccidiosis comprising live %sporulated% %oocysts% from strains of %eimeria% species

Inventor: McDonald, Vincent, Cambridge, GB
Shirley, Martin W., Buckden, GB

Assignee: National Research Development Corporation (03), London, GB
National Research Development Corp GB (Code: 58315)

Examiner: Draper, Garnette D. (Art Unit: 186)
Law Firm: Bacon & Thomas

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5055292	A	19911008	US 90506538	19900409
Continuation	Abandoned			US 8785869	19870817
Priority				GB 8620059	19860818
				GB 8629475	19861210

Fulltext Word Count: 5818

Abstract:

%Vaccines% active against coccidiosis in domestic fowls contain
%attenuated% %precocious% strains of %Eimeria% species.

13/3,AB/38 (Item 33 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

3182169
Derwent Accession: 1987-199027
Utility
REASSIGNED

C/ Antigenic proteins and %vaccines% containing them for prevention of
coccidiosis caused by %eimeria% %Eimeria% necatrix and %Eimeria% %tenella%
; %INDUCING% AN IMM%UNE RES%PONSE I%N POULT%RY

Inventor: Mewman, Jr., Karel Z., Charles City, IA
Tedesco, John L., Charles City, IA
Gore, Thomas C., Charles City, IA
Petersen, Gary R., Charles City, IA
Brothers, Virginia M., Albany, CA
Files, James G., Belmont, CA
Paul, Leland S., Woodside, CA

Assignee: Solvay & Cie, S.A. (03), Brussels, BE
Solvay S A BE (Code: 78176)

Examiner: Moskowitz, Margaret (Art Unit: 186)
Assistant Examiner: Furman, Keith C.
Combined Principal Attorneys: White, John P.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5028694	A	19910702	US 85805301	19851203

Fulltext Word Count: 16912

Abstract:

A purified antigenic protein has been obtained which is capable of
inducing in a chicken an immune response conferring protection against
infection by %Eimeria% necatrix or %Eimeria% %tenella%. The protein has a
molecular weight of about 26,000 and is composed of two polypeptides
joined by a disulfide bond. The two polypeptide subunits have molecular
weights of about 18,000 and about 8,000, respectively. The gene encoding
the protein has been sequenced and the amino acid sequence of the protein
deduced therefrom.

The protein and antigenic polypeptides having an amino acid sequence
included within the protein may be incorporated into a %vaccine% for
conferring upon a chicken active immunity against infection by E.
necatrix or E. %tenella%.

13/3,AB/39 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00904306

METHODS AND COMPOSITIONS FOR THE CONTROL OF COCCIDIOSIS
PROCEDES ET COMPOSITIONS POUR LUTTER CONTRE LA COCCIDIOSE

Patent Applicant/Assignee:

NOVUS INTERNATIONAL INC, 530 Maryville Centre Drive, St. Louis, MI 63141,
US, US (Residence), US (Nationality)

Inventor(s):

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US,
ALLINGTON Tony, 530 Maryville Centre Drive, St. Louis, MO 63141, US,

Legal Representative:

ROEDEL John K Jr (et al) (agent), Senniger, Powers, Leavitt & Roedel,
16th floor, One Metropolitan Square, St. Louis, MO 63102, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200237961 A2-A3 20020516 (WO 0237961)
Application: WO 2001US46346 20011108 (PCT/WO US0146346)
Priority Application: US 2000246847 20001108

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 25634

English Abstract

Methods are provided for the sporulation, sterilization and storage of
coccidial oocyst which are characterized by an absence of the highly
toxic chemical potassium dichromate. Also provided are compositions
containing %sporulated% %oocysts% which are free of potassium dichromate.

French Abstract

L'invention concerne des procedes de sporulation, de sterilisation et de
stockage d'oocystes de coccidies caracterises par une absence de
bichromate de potassium chimique, hautement toxique. L'invention concerne
egalement des compositions contenant des oocystes sporules exempts de
bichromate de potassium.

13/3,AB/40 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00836719

PCR-BASED IDENTIFICATION OF %EIMERIA% SPECIES AND STRAINS
IDENTIFICATION PAR PCR D'ESPECES ET DE SOUCHES D'%EIMERIA%

Patent Applicant/Assignee:

THE UNIVERSITY OF MELBOURNE, Level 4 Walter Boas Building, Grattan
Street, Parkville, VIC 3052, AU, AU (Residence), AU (Nationality), (For
all designated states except: US)

Patent Applicant/Inventor:

GASSER Robin Beat, 48 Swan Street, Werribee, VIC 3030, AU, AU (Residence)
, AU (Nationality), (Designated only for: US)
WOODS Wayne Geoffery, 17 Harker Street, Sunbury, VIC 3429, AU, AU
(Residence), AU (Nationality), (Designated only for: US)
RICHARDS David Grant, 29 Tantani Street, Frankston North, VIC 3199, AU,
AU (Residence), NZ (Nationality), (Designated only for: US)
WHITHEAR Kevin George, 344 Graham Street, Port Melbourne, VIC 3207, AU,

AU (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:
STEARNE Peter Andrew (et al) (agent), Davies Collison Cave, Level 10, 10
Barrack Street, Sydney, NSW 2000, AU,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200168909 A1 20010920 (WO 0168909)
Application: WO 2001AU291 20010315 (PCT/WO AU0100291)
Priority Application: AU 20006229 20000315
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12316

English Abstract

A method for the identification of species of the genus *Eimeria*
(commonly known as coccidia) is described. The method is genus-specific
and utilises either, or both, of two novel primer sets, or annealing
equivalents thereof; designated SEQ ID NO: 25 and SEQ ID NO: 26, and SEQ
ID NO: 27 and SEQ ID NO: 28.

French Abstract

L'invention concerne un procede pour identifier des especes du genre
Eimeria (appele communement coccidies). Ce procede est specifique a ce
genre et fait intervenir un ou deux nouveaux ensembles d'amorces, ou des
equivalents renatures desdites amorces, designees par SEQ ID NO: 25 et
SEQ ID NO: 26, et SEQ ID NO: 27 et SEQ ID NO: 28.

13/3,AB/41 (Item 3 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00802232

PREPARATION AND METHOD FOR PREVENTION OF COCCIDIOSIS
PREPARATION ET METHODE DESTINEES A LA PREVENTION DE LA COCCIDIOSE
Patent Applicant/Assignee:

NOVUS INTERNATIONAL INC, 530 Maryville Centre Drive, St. Louis, MO 63141,
US, US (Residence), US (Nationality)

Inventor(s):

DIBNER Julia J, 530 Maryville Centre Drive, St. Louis, MO 63141, US,
MILLER Timothy J, 521 W. Industrial Lake Drive, Lincoln, NE 68528, US,

Legal Representative:

ROEDEL John K Jr (et al) (agent), Senniger, Powers, Leavitt & Roedel,
16th floor, One Metropolitan Square, St. Louis, MO 63102, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200134187 A2-A3 20010517 (WO 0134187)
Application: WO 2000US42034 20001108 (PCT/WO US0042034)
Priority Application: US 99163989 19991108

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 13777

English Abstract

Preparations and methods are disclosed for the %vaccination% of members of the class Aves against coccidiosis by intra yolk sac injection of sporocysts or %sporulated% %oocysts% treated to disrupt the oocyst wall.

French Abstract

L'invention concerne des preparations et des methodes permettant de %vacciner% les membres de la categorie Aves contre la coccidiose par l'injection, dans le sac vitellin, de sporocystes ou d'oocystes sporules traites pour dechirer la paroi des oocystes.

13/3,AB/42 (Item 4 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00519035

%VACCINATION% MODALITIES
MODALITES DE %VACCINATION%

Patent Applicant/Assignee:

%EIMERIA% PTY LIMITED,
THE STATE OF QUEENSLAND THROUGH THE DEPARTMENT OF;PRIMARY INDUSTRIES,
RURAL INDUSTRIES RESEARCH AND DEVELOPMENT CORPORATION,
RICHARDS David Grant,
JORGENSEN Wayne Keith,
STEWART Norman Porter

Inventor(s):

RICHARDS David Grant,
JORGENSEN Wayne Keith,
STEWART Norman Porter,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9950387 A1 19991007
Application: WO 99AU232 19990330 (PCT/WO AU9900232)
Priority Application: AU 982683 19980330

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 3839

English Abstract

%Vaccines% for the prevention and/or treatment of i(%Eimeria%) infection including one or more strains of i(E. %maxima% ARI-73/97, E. %acervulina% ARI-77/97, E. %tenella% ARI-11/98, E. necatrix MCK01) and/or i(E. necatrix ARI-MEDNEC(inverted question mark)3+8) are described. i(%Eimeria%) strains selected from i(E. %maxima% ARI-73/97, E. %acervulina% ARI-77/97, E. %tenella% ARI-11/98, E. necatrix MCK01) and/or i(E. necatrix ARI-MEDNEC(inverted question mark)3+8) are also described.

French Abstract

La presente invention concerne des %vaccins% utilises a titre preventif ou therapeutique pour l'infection i(%Eimeria%), dont une ou plusieurs souches de i(E. %maxima% ARI-73/97, E. %acervulina% ARI-77/97, E. %tenella% ARI-11/98, E. necatrix MCK01) et/ou i(E. necatrix ARI-MEDNEC(inverted question mark)3+8). L'invention concerne egalement des souches de i(%Eimeria% choisies parmi E. %maxima% ARI-73/9, E. %acervulina% ARI-77/97, E. %tenella% ARI-11/98, E. necatrix MCK01) et/ou i(E. necatrix ARI-MEDNEC(inverted question mark)3+8).

13/3,AB/43 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00477352
METHOD OF PROTECTING AGAINST CHRONIC INFECTIONS
PROCEDE DE PROTECTION CONTRE LES INFECTIONS CHRONIQUES
Patent Applicant/Assignee:

LEE Eng-Hong,
Inventor(s):

LEE Eng-Hong,
Patent and Priority Information (Country, Number, Date):

Patent: WO 9908704 A1 19990225
Application: WO 98CA791 19980820 (PCT/WO CA9800791)
Priority Application: CA 2213385 19970820

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH GM HR
HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO
NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 6299

English Abstract

The present invention is directed to a method of protecting an animal against a chronic disease, the disease being caused by an infectious organism which undergoes more than one life cycle. The method comprises: (a) administering to the animal a %vaccine% containing sufficient organisms to develop an immunological response in the animal; (b) maintaining the animal free from chemotherapeutic agents effective against the infectious organism for a period of time corresponding to about one life cycle of the organism; and (c) thereafter administering to the animal a chemotherapeutic agent effective against the infectious organism for a period of time corresponding to at least one life cycle of the infectious organism.

French Abstract

La presente invention porte sur un procede visant a proteger un animal d'une maladie chronique, maladie provoquee par un organisme infectieux subissant plusieurs cycles biologiques. Ce procede consiste a: a) administrer a l'animal un %vaccin% contenant des organismes en quantite suffisante pour developper en lui une reaction immunologique; b) garder l'animal sans lui administrer d'agent chimiotherapeutique efficace contre l'organisme infectieux pendant une periode correspondant a environ un cycle biologique de l'organisme; et d) administrer a l'animal un agent chimiotherapeutique efficace contre l'organisme infectieux sur une duree correspondant a au moins un cycle biologique de l'organisme infectieux.

13/3,AB/44 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00357720
IN OVO %VACCINATION% AGAINST COCCIDIOSIS
%VACCINATION% IN OVO CONTRE LA COCCIDIOSE

Patent Applicant/Assignee:

PFIZER INC,
EVANS Nigel A,
FINDLY R Craig,
WEBER Frederick H,

Inventor(s):

EVANS Nigel A,
FINDLY R Craig,
WEBER Frederick H,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9640234 A1 19961219
Application: WO 95IB446 19950607 (PCT/WO IB9500446)
Priority Application: WO 95IB446 19950607

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA FI JP MX US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 4348

English Abstract

The invention relates to a method of %vaccinating% a domesticated bird against coccidiosis comprising administering in ovo an effective %immunizing% dose of live %Eimeria% sporozoites or merozoites, or a mixture thereof. In a preferred embodiment, the domesticated bird that is %vaccinated% is a chicken or turkey.

French Abstract

La presente invention se rapporte a un procede de %vaccination% d'un oiseau domestique contre la coccidiose. Ce procede consiste a administrer in ovo une dose immunisante efficace constituee de sporozoites ou de merozoites vivants d'%Eimeria%, ou d'un melange de ceux-ci. Dans un mode de realisation prefere, l'oiseau domestique %vaccine% est un poulet ou une dinde.

13/3,AB/45 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00357719

IN OVO %VACCINATION% AGAINST COCCIDIOSIS
%VACCINATION% IN OVO CONTRE LA COCCIDIOSE

Patent Applicant/Assignee:

PFIZER INC,
EVANS Nigel A,
FINDLY R Craig,
WEBER Frederick H,

Inventor(s):

EVANS Nigel A,
FINDLY R Craig,
WEBER Frederick H,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9640233 A1 19961219
Application: WO 95IB445 19950607 (PCT/WO IB9500445)
Priority Application: WO 95IB445 19950607

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA FI JP MX US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 2840

English Abstract

The invention relates to a method of %vaccinating% a domesticated bird against coccidiosis comprising administering in ovo an effective %immunizing% dose of live %Eimeria% sporocysts or %oocysts%, or a mixture thereof.

French Abstract

L'invention concerne un procede pour %vacciner% un oiseau d'elevage contre la coccidiose, consistant a administrer in ovo une quantite suffisante pour avoir un effet immunisant de sporocystes ou d'oocystes d' %Eimeria%, ou d'un melange de ceux-ci.

13/3,AB/46 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00268552

LIVE COCCIDIOSIS %VACCINE%
%VACCIN% VIVANT CONTRE LA COCCIDIOSE
Patent Applicant/Assignee:

MERCK & CO INC,
SCHMATZ Dennis M,
COX James L,

Inventor(s):

SCHMATZ Dennis M,
COX James L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9416725 A1 19940804
Application: WO 94US75 19940103 (PCT/WO US9400075)
Priority Application: US 93349 19930119

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU BB BG BR BY CA CN CZ FI HU JP KR KZ LK LV MG MN MW NO NZ PL RO RU SD
SK UA US UZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 2451

English Abstract

Live %sporulated% %oocysts% are administered to one day old chickens to provide immunity against coccidiosis without the need to provide supplemental anticoccidial therapy.

French Abstract

Des oocytes sporules vivants sont administres a des poussins d'un jour afin de les immuniser contre la coccidiose sans qu'il soit necessaire de recourir a une therapie anticoccidique supplementaire.

13/3,AB/47 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00207262

GENETICALLY ENGINEERED COCCIDIOSIS %VACCINE%
%VACCIN% CONTRE LA COCCIDIOSE MIS AU POINT PAR GENIE GENETIQUE
Patent Applicant/Assignee:

GENEX CORPORATION,
HOECHST AKTIENGESELLSCHAFT,
JACOBSON James W,
STRAUSBERG Robert L,
WILSON Susan D,
POPE Sharon H,
STRAUSBERG Susan Lee,
RAETHER Wolfgang,

Inventor(s):

JACOBSON James W,
STRAUSBERG Robert L,
WILSON Susan D,
POPE Sharon H,
STRAUSBERG Susan Lee,
RAETHER Wolfgang,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9204461 A1 19920319
Application: WO 91US6431 19910905 (PCT/WO US9106431)
Priority Application: US 90694 19900912

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT BE CH DE DK ES FR GB GR IT JP LU NL SE US
Publication Language: English
Fulltext Word Count: 19239

English Abstract

This invention relates to novel recombinant antigenic proteins of avian coccidiosis, and fragments thereof containing antigenic determinants, and to the genes that encode the antigenic peptides. This invention also relates to %vaccines% made using the novel antigenic proteins of avian coccidiosis and to methods of %immunizing% chickens against avian coccidia.

French Abstract

Nouvelles proteines antigeniques de recombinaison de la coccidiose aviaire, fragments desdites proteines contenant des determinants antigeniques, et genes codant les peptides antigeniques. On decrit aussi des %vaccins% prepares en utilisant les nouvelles proteines antigeniques de la coccidiose aviaire et des methodes permettant d'immuniser les poulets contre les coccidioses aviaires.

13/3,AB/48 (Item 10 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00207261

GENETICALLY ENGINEERED COCCIDIOSIS %VACCINE%
%VACCIN% CONTRE LA COCCIDIOSE MIS AU POINT PAR GENIE GENETIQUE

Patent Applicant/Assignee:

GENEX CORPORATION,
UNITED STATES DEPARTMENT OF AGRICULTURE,

Inventor(s):

JACOBSON James W,
STRAUSBERG Robert L,
WILSON Susan D,
POPE Sharon H,
STRAUSBERG Susan Lee,
RUFF Michael D,
AUGUSTINE Patricia C,
DANFORTH Harry D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9204460 A1 19920319
Application: WO 91US6430 19910905 (PCT/WO US9106430)
Priority Application: US 90693 19900912

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT BE CH DE DK ES FR GB GR IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 9957

English Abstract

This invention relates to novel recombinant antigenic proteins of avian coccidiosis, and fragments thereof containing antigenic determinants, and to the genes that encode the antigenic peptides. This invention also relates to %vaccines% made using the novel antigenic proteins of avian coccidiosis and to methods of %immunizing% chickens against avian coccidia.

French Abstract

Nouvelles proteines antigeniques de recombinaison de la coccidiose aviaire, fragments desdites proteines contenant des determinants antigeniques, et genes codant les peptides antigeniques. On decrit aussi des %vaccins% prepares en utilisant les nouvelles proteines antigeniques de la coccidiose aviaire et des methodes permettant d'immuniser les poulets contre les coccidioses aviaires.

13/3,AB/49 (Item 11 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00166962
GENETICALLY ENGINEERED COCCIDIOSIS %VACCINE%
%VACCIN% CONTRE LA COCCIDIOSE PREPARE PAR GENIE GENETIQUE

Patent Applicant/Assignee:

GENEX CORPORATION,
ANDERSON David M,
McCANDLISS Russell J,
STRAUSBERG Susan Lee,
STRAUSBERG Robert L,

Inventor(s):

ANDERSON David M,
McCANDLISS Russell J,
STRAUSBERG Susan Lee,
STRAUSBERG Robert L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9000403 A1 19900125
Application: WO 89US2918 19890705 (PCT/WO US8902918)
Priority Application: US 88162 19880705

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT BE CH DE FR GB IT JP LU NL SE US

Publication Language: English

Fulltext Word Count: 26196

English Abstract

A cloned gene or fragment thereof encodes antigenic proteins that bind with a monoclonal or polyvalent antibody that is directed against an antigenic protein of avian coccidia.

French Abstract

Gene clone ou fragment de celui-ci codant pour des proteines antigeniques qui se lient a un anticorps monoclonal ou polyvalent dirige contre une proteine antigenique des coccidies aviennes.

13/3,AB/50 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00161272
CLONED GENES CODING FOR AVIAN COCCIDIOSIS ANTIGENS WHICH INDUCE A CELL-MEDIATED RESPONSE AND METHOD OF PRODUCING THE SAME
GENES CLONES CODANT POUR DES ANTIGENES DE LA COCCIDIOSE AVIAIRE QI INDUISENT UNE REPOSE IMMUNITAIRE PAR MEDIEUR CELLULAIRE ET PROCEDE DE PRODUCTION DE TELS GENES

Patent Applicant/Assignee:

THE UNITED STATES OF AMERICA as represented by THE SECRETARY U S
DEPARTMENT OF COMMERCE,

Inventor(s):

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DAME John Barton,
RUFF Michael David,
LILLEHOJ Hyun Soon,
DANFORTH Harry Dale,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8907650 A1 19890824
Application: WO 88US4172 19881123 (PCT/WO US8804172)
Priority Application: US 88264 19880212

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU BR JP

Publication Language: English

Fulltext Word Count: 13189

English Abstract

Disclosed are DNA sequences which code for antigenic proteins, methods for identifying such DNA sequences, and antigens coded for by such DNA sequences. The first step of the method is to provide a multiplicity of DNA sequences. These sequences are then inserted into DNA expression vectors to form recombinant expression vectors. The expression vectors are inserted into suitable hosts to form transformants which express the DNA sequences. The transformants are then contacted to antibodies directed against *Eimeria* antigens to identify transformants containing DNA sequences which code for *Eimeria* antigens. These antigens are then produced from the DNA sequences identified as coding for the antigens. The antigens so produced are contacted to white blood cells which effect a cell-mediated immune response, which white blood cells are sensitized to an antigenic *Eimeria* protein, to thereby identify DNA sequences which code for antigens that induce a cell-mediated immune response to avian coccidiosis. The DNA sequences of the present invention comprise cloned genes or fragments thereof that code on expression for antigenic protein that activates white blood cells which effect a cell-mediated immune response which white blood cells are sensitized to an antigenic *Eimeria* protein.

French Abstract

La presente invention decrit des sequences d'ADN qui codent pour des proteines antigenique, des procedes d'identification de telles sequences d'ADN et des antigenes pour lesquels codent lesdites sequences d'ADN. La premiere phase du procede consiste a fournir une multiplicite de sequences d'ADN. Ces sequences sont ensuite introduites dans des vecteurs d'expression d'ADN pour former des vecteurs d'expression recombinants. Les vecteurs d'expression sont introduits dans des hotes appropries pour former des agents transformants qui expriment les sequences d'ADN. Les agents transformant sont ensuite mis en contact avec des anticorps diriges contre des antigenes d'*Eimeria* pour identifier les agents transformants contenant les sequences d'ADN qui codent pour les antigenes d'*Eimeria*. Ces antigenes sont ensuite produits a partir des sequences d'ADN dont on a determine qu'elles codent pour les antigenes. Les antigenes ainsi produits sont mis en contact avec des globules blancs qui produisent une reponse immunitaire par mediateur cellulaire et qui sont sensibilises a une proteine d'*Eimeria* antigenique, de facon a identifier les sequences d'ADN qui codent pour des antigenes qui induisent une reponse immunitaire par mediateur cellulaire contre la coccidiose aviaire. Les sequences d'ADN de la presente invention comprennent des genes clones ou des fragments de ces genes clones qui codent, lors de leur expression, pour une proteine antigenique qui active des globules blancs qui produisent une reponse immunitaire par mediateur cellulaire et qui sont sensibilisees a une proteine d'*Eimeria* antigenique.

13/3,AB/51 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00128029

CLONED GENE AND METHOD FOR MAKING AND USING THE SAME
GENE CLONE ET SON PROCEDE DE PREPARATION ET D'UTILISATION

Patent Applicant/Assignee:

GENEX CORPORATION,

Inventor(s):

ANDERSON David M,
McCANDLISS Russell John,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8600528 A1 19860130
Application: WO 85US1274 19850705 (PCT/WO US8501274)
Priority Application: US 84811 19840705; US 85520 19850619

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

BR DE FR GB IT JP NL

Publication Language: English

Fulltext Word Count: 21797

English Abstract

A cloned gene or fragment thereof encodes antigenic proteins that bind with a monoclonal or polyvalent antibody that is directed against an antigenic protein of avian coccidia.

French Abstract

Un gene clone ou un fragment de celui-ci code des proteines antigenes se liant avec un anticorps monoclonal ou polyvalent qui est dirige contre une proteine antigene de la coccidia avienne.

13/3,AB/52 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00961450

%Eimeria% proteins as %vaccines%
%Eimeria% Proteine als Impfstoffe
%Eimeria% - proteines comme %vaccins%

PATENT ASSIGNEE:

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AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

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PATENT (CC, No, Kind, Date): EP 872486 A1 981021 (Basic)

APPLICATION (CC, No, Date): EP 98201097 980407;

PRIORITY (CC, No, Date): EP 97302447 970409

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: C07K-014/455

ABSTRACT EP 872486 A1

Compositions comprising %Eimeria% proteins or variants/fragments of such proteins can be used to produce a coccidiosis %vaccine%.

The proteins are present in the hydrophilic phase of a Triton X-1 14 extract of %Eimeria% sporozoites and have molecular masses of 26-30 kDa (+-) 5 kDa when determined by SDS PAGE under reducing conditions.

ABSTRACT WORD COUNT: 53

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9843	509
SPEC A	(English)	9843	8471
Total word count - document A			8980
Total word count - document B			0
Total word count - documents A + B			8980

13/3,AB/53 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00837538

Coccidiosis poultry %vaccine%
Impfstoff gegen Geflugelkokzidose
%Vaccin% contre la coccidiose aviaire

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 775746 A2 970528 (Basic)
EP 775746 A3 970611

APPLICATION (CC, No, Date): EP 96201818 960701;

PRIORITY (CC, No, Date): EP 95201801 950703

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: C12N-015/30; C07K-014/455; A61K-039/012;
C12N-015/53; C12N-009/04;

ABSTRACT EP 775746 A3

This invention relates to novel %Eimeria% proteins with immunogenic properties, and having lactate dehydrogenase activity as well as to DNA sequences encoding these proteins. These proteins can be administered to poultry thereby protecting the birds against coccidiosis. In addition the DNA encoding these proteins can be used for the preparation of a vector %vaccine% against coccidiosis.

ABSTRACT WORD COUNT: 57

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	373
SPEC A	(English)	EPAB97	8273
Total word count - document A			8646
Total word count - document B			0
Total word count - documents A + B			8646

13/3,AB/54 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00825946

IN OVO %VACCINATION% AGAINST COCCIDIOSIS

IN OVO IMPFUNG GEGEN COCCIDIOSE

%VACCINATION% IN OVO CONTRE LA COCCIDIOSE

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 831897 A1 980401 (Basic)
EP 831897 B1 010328
WO 9640234 961219

APPLICATION (CC, No, Date): EP 95918720 950607; WO 95IB446 950607

PRIORITY (CC, No, Date): EP 95918720 950607; WO 95IB446 950607

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; NL;
PT; SE

INTERNATIONAL PATENT CLASS: A61K-039/012

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200113	383
CLAIMS B	(German)	200113	375
CLAIMS B	(French)	200113	425

SPEC B (English) 200113 3427
Total word count - document A 0
Total word count - document B 4610
Total word count - documents A + B 4610

13/3,AB/55 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00825945
IN OVO %VACCINATION% AGAINST COCCIDIOSIS
IN OVO IMPFUNG GEGEN COCCIDIOSE
%VACCINATION% IN OVO CONTRE LA COCCIDIOSE
PATENT ASSIGNEE:
PFIZER INC., (200961), 235 East 42nd Street, New York, N.Y. 10017, (US),
(Proprietor designated states: all)
INVENTOR:
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FINDLY, R., Craig, 14 Warner Place, Wethersfield, CT 06109, (US)
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PATENT (CC, No, Kind, Date): EP 831896 A1 980401 (Basic)
EP 831896 B1 010627
WO 9640233 961219
APPLICATION (CC, No, Date): EP 95918719 950607; WO 95IB445 950607
PRIORITY (CC, No, Date): EP 95918719 950607; WO 95IB445 950607
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; NL;
PT; SE
INTERNATIONAL PATENT CLASS: A61K-039/012
NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count
CLAIMS B (English) 200126 447
CLAIMS B (German) 200126 440
CLAIMS B (French) 200126 505
SPEC B (English) 200126 2311
Total word count - document A 0
Total word count - document B 3703
Total word count - documents A + B 3703

13/3,AB/56 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00753769
Coccidiosis poultry %vaccine%
Impfstoff gegen Geflugelkokzidose
%Vaccin% contre la coccidose aviaire
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PATENT (CC, No, Kind, Date): EP 709460 A1 960501 (Basic)
EP 709460 B1 010523
APPLICATION (CC, No, Date): EP 95202485 950913;

PRIORITY (CC, No, Date): EP 94202676 940916
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE
INTERNATIONAL PATENT CLASS: C12N-015/30; C07K-014/455; C07K-016/20;
C12N-015/62; C12N-001/21; A61K-039/002; C12N-001/21; C12R-1:19

ABSTRACT EP 709460 A1

This invention relates to a novel *Eimeria* protein with immunogenic properties as well as to DNA sequences encoding these proteins. This protein can be administered to poultry thereby protecting the birds against coccidiosis. In addition the DNA encoding this protein can be used for the preparation of a vector vaccine against coccidiosis.

ABSTRACT WORD COUNT: 65

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	388
CLAIMS B	(English)	200121	426
CLAIMS B	(German)	200121	385
CLAIMS B	(French)	200121	499
SPEC A	(English)	EPAB96	9434
SPEC B	(English)	200121	9714
Total word count - document A			9823
Total word count - document B			11024
Total word count - documents A + B			20847

13/3,AB/57 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00540462

Eimeria *acervulina* dna probes
Eimeria *acervulina* DNA-Proben
Specimens d'ADN d'*Eimeria* *acervulina*
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PATENT (CC, No, Kind, Date): EP 516396 A1 921202 (Basic)
EP 516396 B1 960828

APPLICATION (CC, No, Date): EP 92304797 920527;

PRIORITY (CC, No, Date): US 706817 910529; US 879644 920512

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C12Q-001/68; C07H-021/00;

ABSTRACT EP 516396 A1

Unique species-specific *Eimeria* *acervulina* DNA probes comprising divergent DNA sequences are disclosed. The probes are complementary to a small subunit ribosomal RNA gene of *Eimeria* *acervulina*. (see image in original document) (see image in original document)

ABSTRACT WORD COUNT: 38

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	298
CLAIMS B	(English)	EPAB96	53
CLAIMS B	(German)	EPAB96	49
CLAIMS B	(French)	EPAB96	56
SPEC A	(English)	EPABF1	19306
SPEC B	(English)	EPAB96	21005
Total word count - document A			19606
Total word count - document B			21163
Total word count - documents A + B			40769

13/3,AB/58 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00540461
%Eimeria% necatrix dna probes
DNS-Sonden zum Nachweis von %Eimeria% necatrix
Sondes d'ADN pour la detection d'%Eimeria% necatrix
PATENT ASSIGNEE:

Merck & Co., Inc., (200479), 126, East Lincoln Avenue P.O. Box 2000,
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PATENT (CC, No, Kind, Date): EP 516395 A2 921202 (Basic)
EP 516395 A3 930721
EP 516395 B1 960918

APPLICATION (CC, No, Date): EP 92304796 920527;

PRIORITY (CC, No, Date): US 707351 910529; US 879470 920512

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C12Q-001/68; C12N-015/30;

ABSTRACT EP 516395 A2

Unique species-specific %Eimeria% necatrix DNA probes comprising
divergent DNA sequences are disclosed. %Eimeria% probes are complementary
to a small subunit ribosomal RNA gene of %Eimeria% necatrix.

ABSTRACT WORD COUNT: 28

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	301
CLAIMS B	(English)	EPAB96	53
CLAIMS B	(German)	EPAB96	49
CLAIMS B	(French)	EPAB96	56
SPEC A	(English)	EPABF1	19304
SPEC B	(English)	EPAB96	21128
Total word count - document A			19607
Total word count - document B			21286
Total word count - documents A + B			40893

13/3,AB/59 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00540456

%Eimeria% brunetti dna probes

DNS-Sonden zum Nachweis von %Eimeria% brunetti

Sondes d'ADN pour la detection d'%Eimeria% brunetti

PATENT ASSIGNEE:

Merck & Co., Inc., (200479), 126, East Lincoln Avenue P.O. Box 2000,
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PATENT (CC, No, Kind, Date): EP 516391 A2 921202 (Basic)
EP 516391 A3 930714
EP 516391 B1 960918

APPLICATION (CC, No, Date): EP 92304789 920527;

PRIORITY (CC, No, Date): US 706717 910529; US 879584 920512

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C12Q-001/68; C12N-015/30

ABSTRACT EP 516391 A2

Unique species-specific %Eimeria% brunetti DNA probes comprising
divergent DNA sequences are disclosed. The probes are complementary to a
small subunit ribosomal RNA gene of %Eimeria% brunetti. (see image in
original document) (see image in original document)

ABSTRACT WORD COUNT: 38

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	363
CLAIMS B	(English)	EPAB96	59
CLAIMS B	(German)	EPAB96	55
CLAIMS B	(French)	EPAB96	62
SPEC A	(English)	EPABF1	19292
SPEC B	(English)	EPAB96	20988
Total word count - document A			19657
Total word count - document B			21164
Total word count - documents A + B			40821

13/3,AB/60 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00540449

%Eimeria% %mitis% DNA probes

%Eimeria% %mitis% DNA-Proben

Specimens d'ADN d'%Eimeria% %mitis%

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 516386 A1 921202 (Basic)
EP 516386 B1 960904

APPLICATION (CC, No, Date): EP 92304782 920527;

PRIORITY (CC, No, Date): US 707355 910529; US 879640 920512

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C12Q-001/68; C07H-021/00;

ABSTRACT EP 516386 A1

Unique species-specific %Eimeria% %mitis% DNA probes comprising
divergent DNA sequences are disclosed. The probes are complementary to a
small subunit ribosomal RNA gene of %Eimeria% %mitis%.

ABSTRACT WORD COUNT: 28

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	298
CLAIMS B	(English)	EPAB96	55
CLAIMS B	(German)	EPAB96	49
CLAIMS B	(French)	EPAB96	56
SPEC A	(English)	EPABF1	19377
SPEC B	(English)	EPAB96	21150
Total word count - document A			19677
Total word count - document B			21310
Total word count - documents A + B			40987

13/3,AB/61 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00540448

%Eimeria% %tenella% DNA probes

%Eimeria% %tenella% DNA-Proben

Specimens d'ADN d'%Eimeria% %tenella%

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 516385 A1 921202 (Basic)
EP 516385 B1 960904

APPLICATION (CC, No, Date): EP 92304781 920527;

PRIORITY (CC, No, Date): US 707362 910529; US 879469 920512

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C12Q-001/68; C07H-021/00;

ABSTRACT EP 516385 A1

Unique species-specific %Eimeria% %tenella% DNA probes comprising
divergent DNA sequences are disclosed. The probes are complementary to a
small subunit ribosomal RNA gene of %Eimeria% %tenella%.

ABSTRACT WORD COUNT: 28

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	299
CLAIMS B	(English)	EPAB96	53
CLAIMS B	(German)	EPAB96	50
CLAIMS B	(French)	EPAB96	56
SPEC A	(English)	EPABF1	19381
SPEC B	(English)	EPAB96	21151
Total word count - document A			19682
Total word count - document B			21310
Total word count - documents A + B			40992

13/3,AB/62 (Item 11 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00540447

%Eimeria% praecox DNA probes

%Eimeria% praecox DNS-Proben

Sondes d'ADN d'%Eimeria% praecox

PATENT ASSIGNEE:

Merck & Co., Inc., (200479), 126, East Lincoln Avenue P.O. Box 2000,
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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 516384 A1 921202 (Basic)
 EP 516384 B1 960918

APPLICATION (CC, No, Date): EP 92304780 920527;

PRIORITY (CC, No, Date): US 707360 910529; US 879594 920512

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C12Q-001/68; C07H-021/04; C12P-019/34;
 C12N-015/11

ABSTRACT EP 516384 A1

Unique species-specific %Eimeria% praecox DNA probes comprising
 divergent DNA sequences are disclosed. The probes are complementary to a
 small subunit ribosomal RNA gene of %Eimeria% praecox.

ABSTRACT WORD COUNT: 28

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	298
CLAIMS B	(English)	EPAB96	54
CLAIMS B	(German)	EPAB96	49
CLAIMS B	(French)	EPAB96	56
SPEC A	(English)	EPABF1	19346
SPEC B	(English)	EPAB96	21133
Total word count - document A			19646
Total word count - document B			21292
Total word count - documents A + B			40938

13/3,AB/63 (Item 12 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00540446

%Eimeria% %maxima% dna probes

DNS-Proben zum Nachweis von %Eimeria% %maxima%

Sondes d'ADN pour la detection d'%Eimeria% %maxima%

PATENT ASSIGNEE:

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Liberator, Paul A., 11 Bridge Court, Jackson, NJ 08527, (US)
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PATENT (CC, No, Kind, Date): EP 516383 A2 921202 (Basic)
EP 516383 A3 930714
EP 516383 B1 960904

APPLICATION (CC, No, Date): EP 92304779 920527;

PRIORITY (CC, No, Date): US 706628 910529; US 879647 920512

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C12Q-001/68; C12N-015/30

ABSTRACT EP 516383 A2

Unique species-specific %Eimeria% %maxima% DNA probes comprising
divergent DNA sequences are disclosed. The probes are complementary to a
small subunit ribosomal RNA gene of %Eimeria% %maxima%. (see image in
original document) (see image in original document)

ABSTRACT WORD COUNT: 38

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	299
CLAIMS B	(English)	EPAB96	53
CLAIMS B	(German)	EPAB96	49
CLAIMS B	(French)	EPAB96	56
SPEC A	(English)	EPABF1	19318
SPEC B	(English)	EPAB96	21000
Total word count - document A			19619
Total word count - document B			21158
Total word count - documents A + B			40777

13/3,AB/64 (Item 13 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00540444

Species-specific method for identifying infectivity of %eimeria% species.

Spezies-spezifisches Verfahren zum Nachweis von %Eimeria%-Spezies.

Procede specifique de l'espece pour la detection des especes d'%Eimeria%.

PATENT ASSIGNEE:

MERCK & CO. INC., (200479), 126, East Lincoln Avenue P.O. Box 2000,
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FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9708W5	689
CLAIMS B	(German)	9708W5	639
CLAIMS B	(French)	9708W5	757
SPEC B	(English)	9708W5	31601
Total word count - document A			0
Total word count - document B			33686
Total word count - documents A + B			33686

13/3,AB/67 (Item 16 from file: 348)
 DIALOG(R) File 348:EUROPEAN PATENTS
 (c) 2004 European Patent Office. All rts. reserv.

00477735

Antigenic proteins and %vaccines% containing them for prevention of
 coccidiosis

Antigene Proteine und diese enthaltende Impfstoffe zur Verhütung von
 Kokzidiose

Proteines antigenes et %vaccins% les contenant pour la prevention de la
 coccidiose

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 453054 A2 911023 (Basic)

EP 453054 A3 911204

EP 453054 B1 960703

APPLICATION (CC, No, Date): EP 91201751 861124;

PRIORITY (CC, No, Date): US 805301 851203; US 805824 851206; US 807497

851211; US 808013 851211

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 231537 (EP 862020872)

INTERNATIONAL PATENT CLASS: C12N-015/30; C12N-015/62; C12P-021/00;

A61K-039/012;

ABSTRACT EP 453054 A2

Purified antigenic proteins are provided which are capable of inducing
 in a chicken an immune response conferring protection against infection
 by %Eimeria% necatrix and/or %Eimeria% %tenella%. One protein, useful for
 conferring protection against E. %tenella% and E. necatrix, has been
 derived from sporocysts of E. necatrix.

Monoclonal antibodies directed against the antigenic proteins have also
 been developed which may be used to confer upon a chicken passive
 immunity against coccidiosis.

Further provided are nucleic acid molecules encoding the antigenic
 proteins as well as expression vectors containing them. Methods for
 producing the proteins or antigenic polypeptides having amino acid

sequences included within these proteins are also provided. (see image in original document)
ABSTRACT WORD COUNT: 113

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1118
CLAIMS B	(English)	EPAB96	1135
CLAIMS B	(German)	EPAB96	1114
CLAIMS B	(French)	EPAB96	1259
SPEC A	(English)	EPABF1	20289
SPEC B	(English)	EPAB96	20072
Total word count - document A			21409
Total word count - document B			23580
Total word count - documents A + B			44989

13/3,AB/68 (Item 17 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00410135

GENETICALLY ENGINEERED COCCIDIOSIS %VACCINE%
GENTECHNOLOGISCH HERGESTELLTER COCCIDIOSE-IMPFSTOFF
%VACCIN% CONTRE LA COCCIDIOSE PREPARE PAR GENIE GENETIQUE
PATENT ASSIGNEE:

BRITISH TECHNOLOGY GROUP USA INC, (1402684), 2200 Renaissance Boulevard,
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AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

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PATENT (CC, No, Kind, Date): EP 432168 A1 910619 (Basic)
EP 432168 A1 911113
EP 432168 B1 961016
WO 9000403 900125

APPLICATION (CC, No, Date): EP 89908301 890705; WO 89US2918 890705

PRIORITY (CC, No, Date): US 215162 880705

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: A61K-039/012; C12N-015/30; C07K-014/44;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	422
CLAIMS B	(German)	EPAB96	370
CLAIMS B	(French)	EPAB96	461
SPEC B	(English)	EPAB96	21482
Total word count - document A			0
Total word count - document B			22735
Total word count - documents A + B			22735

13/3,AB/69 (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00360777

DNA sequences coding for avian coccidiosis antigens which induce a

cell-mediated response, methods for their production, and %vaccines% containing them.

DNS-Sequenzen kodierend für Vogelcoccidiosis Antigene, die eine durch Zellen vermittelte Reaktion induzieren, Verfahren zur Herstellung und diese enthaltende Va

Sequences d'ADN codant des antigenes de coccidiosis aviaire qui provoquent des réponses cellulaires, procédé de préparation et %vaccins% les contenant.

PATENT ASSIGNEE:

THE UNITED STATES OF AMERICA represented by The Secretary The United States Department of Commerce, (301907), 5285 Port Royal Road, Springfield Virginia 22161, (US), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

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Lillehoj, Hyun Soon, 3126 Route 32 West Friendship Road, West Friendship, MD 20794, (US)

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PATENT (CC, No, Kind, Date): EP 328253 A2 890816 (Basic)
EP 328253 A3 900131

APPLICATION (CC, No, Date): EP 89300451 890118;

PRIORITY (CC, No, Date): US 155264 880212

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: C12N-015/00; A61K-039/00; C12P-021/00;

ABSTRACT EP 328253 A2

Disclosed are DNA sequences which code for antigenic proteins, methods for indentifying such DNA sequences, and antigens coded for by such DNA sequences.

The first step of the method is to provide a multiplicity of DNA sequences. These sequences are then inserted into DNA expression vectors to form recombinant expression vectors. The expression vectors are inserted into suitable hosts to form transformants which express the DNA sequences. The transformants are then contacted to antibodies directed against %Eimeria% antigens to identify transformants containing DNA sequences which code for %Eimeria% antigens. These antigens are then produced from the DNA sequences identified as coding for the antigens. The antigens so produced are contacted to white blood cells which effect a cell-mediated immune response, which white blood cells are sensitized to an antigenic %Eimeria% protein, to thereby identify DNA sequences which code for antigens that induce a cell-mediated immune response to avian coccidiosis.

The DNA sequences of the present invention comprise cloned genes or fragments thereof that code on expression for antigenic protein that activates white blood cells which effect a cell-mediated immune response, which white blood cells are sensitized to an antigenic %Eimeria% protein.

ABSTRACT WORD COUNT: 198

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	963
SPEC A	(English)	EPABF1	10205
Total word count - document A			11168
Total word count - document B			0
Total word count - documents A + B			11168

13/3,AB/70 (Item 19 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00311363

Method of treating a bird's egg with an immunogen and eggs treated thereby.
Methode zur Behandlung von Vogeleiern mit Immunogenen und so erhaltene Eier.

Methode pour le traitement des oeufs d'oiseaux par un immunogene et oeufs ainsi obtenus.

PATENT ASSIGNEE:

EMBREX, INC., (878531), P.O. Box 13989, Research Triangle Park, North Carolina 27709-3989, (US), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

THE UNITED STATES OF AMERICA as represented by THE SECRETARY OF AGRICULTURE, (834250), United States Department of Agriculture, Washington, DC 20250, (US), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

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Bankes, Stephen Charles Digby et al (47701), BARON & WARREN 18 South End Kensington, London W8 5BU, (GB)

PATENT (CC, No, Kind, Date): EP 291173 A2 881117 (Basic)
EP 291173 A3 901010

APPLICATION (CC, No, Date): EP 88303349 880414;

PRIORITY (CC, No, Date): US 39052 870416

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: A61K-039/012;

ABSTRACT EP 291173 A2

Birds are protected against an %immunizable% disease by administering a nonreplicating immunogen effective for inducing immunity against the disease to the eggs prior to hatching. The method is useful, for example, for %immunizing% birds against avian coccidiosis with a %sporulated% %Eimeria% %tenella% oocyst extract.

ABSTRACT WORD COUNT: 48

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	248
SPEC A	(English)	EPABF1	3240
Total word count - document A			3488
Total word count - document B			0
Total word count - documents A + B			3488

13/3,AB/71 (Item 20 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00269811

Vaccines.

Impfstoffe.

%Vaccins%.

PATENT ASSIGNEE:

BRITISH TECHNOLOGY GROUP LIMITED, (1475430), 101 Newington Causeway, London SE1 6BU, (GB), (applicant designated states: DE;ES;FR;GB;IT;NL)

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PATENT (CC, No, Kind, Date): EP 256878 A2 880224 (Basic)
EP 256878 A3 891108
EP 256878 B1 930414

APPLICATION (CC, No, Date): EP 87307267 870817;

PRIORITY (CC, No, Date): GB 8620059 860818; GB 8629475 861210

DESIGNATED STATES: DE; ES; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: A61K-039/012; C12N-001/10; C12N-001/36;
C12N-003/00;

ABSTRACT EP 256878 A2

Vaccines active against coccidiosis in domestic fowls contain
attenuated precocious strains of Eimeriaspecies.

ABSTRACT WORD COUNT: 17

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	3178
CLAIMS B	(German)	EPBBF1	1663
CLAIMS B	(French)	EPBBF1	1644
SPEC B	(English)	EPBBF1	4867
Total word count - document A			0
Total word count - document B			11352
Total word count - documents A + B			11352

13/3,AB/72 (Item 21 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00215065

Antigenic proteins and vaccines containing them for prevention of
coccidiosis.

Antigene Proteine und diese enthaltende Impfstoffe zur Verhutung von
Kokzidiose.

Proteines antigenes et %vaccins% les contenant pour prevention de
coccidiose.

PATENT ASSIGNEE:

SOLVAY, (200422), Rue du Prince Albert, 33, B-1050 Bruxelles, (BE),
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PATENT (CC, No, Kind, Date): EP 231537 A2 870812 (Basic)
EP 231537 A3 880210
EP 231537 B1 920311

APPLICATION (CC, No, Date): EP 86202087 861124;

PRIORITY (CC, No, Date): US 805301 851203; US 805824 851206; US 807497
851211; US 808013 851211

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: C12N-015/30; C12N-015/62; C12P-021/00;
A61K-039/012;

ABSTRACT EP 231537 A2

Purified antigenic proteins are provided which are capable of inducing
in a chicken an immune response conferring protection against infection
by Eimeria necatrix, Eimeria tenella or Eimeria maxima. One protein,
useful for conferring protection against E. tenella and E. necatrix, has

been derived from sporocysts of *E. tenella*. Other proteins, derived from merozoites of *E. maxima*, are useful for conferring protection against *E. maxima*.

Monoclonal antibodies directed against the antigenic proteins have also been developed which may be used to confer upon a chicken passive immunity against coccidiosis.

Further provided are nucleic acid molecules encoding the antigenic proteins as well as expression vectors containing them. Methods for producing the proteins or antigenic polypeptides having amino acid sequences including within these proteins are also provided.

Moreover, multi-component vaccines which comprises admixtures of *Eimeria* antigens or isotopes are disclosed.

ABSTRACT WORD COUNT: 141

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	3704
CLAIMS B	(German)	EPBBF1	1389
CLAIMS B	(French)	EPBBF1	1615
SPEC B	(English)	EPBBF1	20493
Total word count - document A			0
Total word count - document B			27201
Total word count - documents A + B			27201

13/3,AB/73 (Item 22 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00174175

Antigenic proteins and %vaccines% containing them and protective antibodies directed to them for prevention of coccidiosis caused by %Eimeria% %tenella%.

Antigenische Proteine, dieselben enthaltende Vakzine, schutzende Antikörper dagegen für die Verhütung von durch %Eimeria% %tenella% verursachte Coccidiosis.

Proteines antigeniques, %vaccins% les contenant, anticorps protecteurs diriges contre elles pour la prevention de la coccidiose causee par %Eimeria% %tenella%.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 164176 A2 851211 (Basic)
EP 164176 A3 870527
EP 164176 B1 920909

APPLICATION (CC, No, Date): EP 85200889 850605;

PRIORITY (CC, No, Date): US 617483 840605; US 734085 850516

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: A61K-039/012; C12N-015/00; C07K-013/00;

ABSTRACT EP 164176 A2

Antigenic proteins and %vaccines% containing them and protective antibodies directed to them for preventing of coccidiosis caused by %Eimeria% %tenella% and %Eimeria% necatrix.

A purified antigenic protein has been obtained which is capable of

inducing in a chicken an immune response conferring protection against infection by %Eimeria% %tenella% or %Eimeria% necatrix. The protein has a molecular weight of about 25,000 and is composed of two polypeptides joined by a disulfide bond. The two polypeptide subunits have molecular weights of about 17,000 and about 8,000, respectively. The gene encoding the protein has been sequenced and the amino acid sequence of the protein deduced therefrom and by direct peptide sequencing.

The protein and antigenic polypeptides having an amino acid sequence included within the protein may be incorporated into a %vaccine% for conferring upon a chicken active immunity against infection by E. %tenella% and E. necatrix.

A hybridoma cell line (ATCC No. HB8561) has been developed which produces a monoclonal antibody designated Ptn 7.2A4/4. This antibody may be used to confer upon a chicken specific passive protection against infection by E. %tenella% and E. necatrix. The antibody may also be used to obtain the purified protein antigen and the 11,500 and 6,500 dalton polypeptide fragments thereof.

Finally, an anti-idiotypic antibody to the Ptn. 7.2A4/4 monoclonal antibody may be prepared and used to confer upon a chicken active immunity against E. %tenella% and E. necatrix infection.

ABSTRACT WORD COUNT: 234

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1022
CLAIMS B	(German)	EPBBF1	948
CLAIMS B	(French)	EPBBF1	1133
SPEC B	(English)	EPBBF1	14298
Total word count - document A			0
Total word count - document B			17401
Total word count - documents A + B			17401

13/3,AB/74 (Item 1 from file: 340)
DIALOG(R)File 340:CLAIMS(R)/US Patent
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Dialog Acc No: 2188721 IFI Acc No: 9122952
Document Type: C
%VACCINES% FOR COCCIDIOSIS COMPRISING LIVE %SPORULATED% %OOCYSTS% FROM STRAINS OF %EIMERIA% SPECIES
Inventors: McDonald Vincent (GB); Shirley Martin W (GB)
Assignee: National Research Development Corp GB
Assignee Code: 58315 Document Type: REASSIGNED
Publication (No,Date), Applic (No,Date):
US 5055292 19911008 US 90506538 19900409
Publication Kind: A
Calculated Expiration: 20081008
(Cited in 001 later patents)
Continuation Pub(No),Applic(No,Date): ABANDONED US 8785869
19870817
Priority Applic(No,Date): GB 8620059 19860818; GB 8629475 19861210

Abstract: %Vaccines% active against coccidiosis in domestic fowls contain %attenuated% %precocious% strains of %Eimeria% species.

13/3,AB/75 (Item 1 from file: 129)
DIALOG(R)File 129:PHIND(Archival)
(c) 2004 PJB Publications, Ltd. All rts. reserv.

00671800
Schering-Plough Animal Health's Paracox-5: EU approval
Animal-Pharm 449 p19, July 21, 2000 (20000721)
STORY TYPE: F WORD COUNT: 297

13/3,AB/76 (Item 1 from file: 484)

Not the same strains as instant claim

DIALOG(R)File 484:Periodical Abs Plustext
(c) 2004 ProQuest. All rts. reserv.

04642631 SUPPLIER NUMBER: 48157774 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Immunological aspects of infections with *Eimeria* *maxima*: A short
review
Schnitzler, Beate E; Shirley, Martin W
Avian Pathology (AVP), v28 n6, p537-543, p.7
Dec 1999
ISSN: 0307-9457 JOURNAL CODE: AVP
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5539

ABSTRACT: *Eimeria* *maxima* is one of the seven species of protozoan
parasites that cause intestinal coccidiosis in chickens. Schnitzler and
Shirley describe some of the features of the biology of *E. maxima*, with
an emphasis on the immunogenicity and antigenic diversity of the parasite.

13/3,AB/77 (Item 2 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
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04070312 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Development of a diagnostic PCR assay for the detection and discrimination
of four pathogenic *Eimeria* species of the chicken
Schnitzler, Beate E; Thebo, Per L; Mattsson, Jens G; Tomley, Fiona M;
Shirley, Martin W
Avian Pathology (AVP), v27 n5, p490-497, p.8
Oct 1998
ISSN: 0307-9457 JOURNAL CODE: AVP
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4769

ABSTRACT: We describe a polymerase chain reaction (PCR)-based assay for
the detection, identification and differentiation of pathogenic species of
Eimeria in poultry. The internal transcribed spacer 1 (ITS1) regions of
ribosomal DNA (rDNA) from *Eimeria* *acervulina*, *E. brunetti*, *E.*
necatrix and *E. tenella* were sequenced and regions of unique sequences
identified.

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